



Nebraska Public Power District, Sheldon Station

2026 Annual CCR Groundwater Report

10-21-2026

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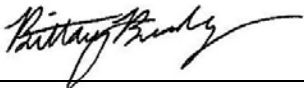
Prepared for

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Executive summary

This report presents results from the 2026 Coal Combustion Residuals (CCR) groundwater monitoring program events at Nebraska Public Power District's Sheldon Station Ash Landfill 4. The facility entered 2026 under a detection monitoring program and remains in detection monitoring based on the results of the first (Q1) and third (Q3) quarter 2026 detection monitoring sampling and analysis events.

No items of statistical significance were identified as a result of the 2026 sampling events.

The monitoring program for Ash Landfill 4 remains in detection monitoring entering 2027.

Table of contents

1.	Introduction	6
1.1	Facility Information	6
1.2	Purpose	6
2.	Groundwater Monitoring Network Program Status	7
2.1	Completed Key Actions in Third Quarter 2026	7
2.2	Installation and Decommissioning of Monitoring Wells	7
2.3	Problems and Resolutions	7
2.4	Proposed Key Activities for 2027	8
3.	Groundwater Monitoring Analytical Program Status	8
3.1	Samples Collected	9
3.1.1	Groundwater Elevation and Flow Rate	9
3.2	Monitoring Data (Analytical Results)	9
3.3	Comparative Statistical Analysis	10
3.3.1	Definitions	10
3.3.2	Potential Exceedances	11
3.3.3	False Positives	11
3.3.4	Verified Exceedances	11
3.4	Program Transitions	11
3.4.1	Detection Monitoring	11
3.4.2	Alternative Source Demonstrations	11
3.4.3	Assessment Monitoring	12
3.4.4	Corrective Measures Assessment	12
4.	Recommendations and Closing	13
	References	13



Tables

Table 1: Data Summary Table – AP4-MW1 (U)

Table 2: Data Summary Table – AP4-MW2 (U)

Table 3: Data Summary Table – AP4-MW7 (U)

Table 4: Data Summary Table – AP4-MW3

Table 5: Data Summary Table – AP4-MW4

Table 6: Data Summary Table – AP4-MW5

Table 7: Data Summary Table – AP4-MW6

Table 8: Sheldon Station Ash Landfill No. 4 Groundwater Levels

Figures

Figure 1: Ash Landfill No. 4, Groundwater Contours, March 2026

Figure 2: Ash Landfill No. 4, Groundwater Contours, August 2026

Figure 3: Ash Landfill No. 4 Groundwater Elevations

Appendix A Analytical Report and Chain-of Custody Documentation

Appendix B Field Notes

Appendix C Time Series Data

Appendix D Comparative Statistical Analysis

1. Introduction

WSP USA Inc. (WSP) prepared this report describing the 2026 Coal Combustion Residuals (CCR) groundwater sampling events and comparative statistical analysis for Nebraska Public Power District's (NPPD) Sheldon Station Ash Landfill No. 4 (AP4; the Site) in Hallam, Nebraska. This report was written to meet the requirements of the Site's permitted Sampling and Analysis Plan (SAP) as approved by the Nebraska Department of Water, Energy and Environment (NDWEE) (GAUSA 2022a) and the federal CCR Rule's Sections on groundwater monitoring and corrective action, 40 Code of Federal Regulations (CFR) 257.90 to 257.98, along with applicable revisions to the CCR Rule.

1.1 Facility information

Sheldon Station is owned and operated by NPPD and can generate 225 megawatts (MW) of power. The facility is located in southeastern Nebraska in Section 19, T7N, R6E, and is 18 miles south of Lincoln in Lancaster County. The village of Hallam is the closest community to the site and is 1.5 miles south of the facility. NPPD constructed Sheldon Station in 1958, switching the facility entirely to low-sulfur coal from Wyoming's Powder River Basin in 1974. The active CCR landfill at the site (AP4) contains fly ash and bottom ash.

1.2 Purpose

The United States Environmental Protection Agency's (USEPA) CCR Rule established specific requirements for reporting of groundwater monitoring and corrective action at CCR facilities in 40 CFR 257.90 to 40 CFR 257.98 (USEPA 2015). Per part (e) of 40 CFR 257.90, no later than January 31, 2018, and annually thereafter, owners or operators of active CCR units must prepare an annual groundwater monitoring and corrective action report. The permitted SAP for AP4 was developed to comply with both the federal CCR regulations and separate NDWEE requirements (GAUSA 2022a). In addition to the annual report for the federal CCR requirements, semi-annual reports are also prepared following each semi-annual sampling event, at the request of the NDWEE. The annual report serves as a combined version of the two semi-annual reports. Copies of the semi-annual reports are included as Appendix A (Q1 2026) and Appendix B (Q3 2026).

2. Groundwater monitoring network program status

The groundwater monitoring network for the active CCR landfill at Sheldon Station consists of seven monitoring wells as shown in Figure 1 and Figure 2. The seven monitoring wells are split between three upgradient locations and four downgradient locations. The three upgradient monitoring wells are AP4-MW1, AP4-MW2 and AP4-MW7, which are marked by (U) throughout the text. The four downgradient monitoring wells were AP4-MW3, AP4-MW4, AP4-MW5, and AP4-MW6.

2.1 Completed key actions in 2026

A detection monitoring sampling event was completed during the first quarter (Q1) of 2026, with an associated semi-annual report provided to the NDWEE within 30 days of the end of the quarter. Results of the Q1 2026 sampling event have been placed in the facility operating record and are discussed in this annual report.

A detection monitoring sampling event was completed during the third quarter (Q3) of 2026, with an associated semi-annual report provided to the NDWEE within 30 days of the end of the quarter. Results of the Q3 2026 sampling event have been placed in the facility operating record and are discussed in this annual report.

2.2 Installation and decommissioning of monitoring wells

No monitoring wells were installed or decommissioned at Sheldon Station during 2026.

2.3 Problems and resolutions

During both the Q1 2026 and Q3 2026 monitoring events, analysis by Method 9056A required dilution due to the sample matrix, resulting in non-detects with elevated reporting limits for several well-parameter pairs. Results are consistent with past results and required dilutions. The following well-parameter pairs were reported as non-detects with elevated reporting limits:

- Chloride, 5x dilution factor, elevated reporting limit equals 5.0 milligrams per liter (mg/L): AP4-MW3, AP4-MW4, and AP4-MW6
- Fluoride, 5x dilution factor, elevated reporting limit equals 1.00 mg/L: AP4-MW1, AP4-MW2 (only Q1), AP4-MW5, and AP4-MW7



The reported values are consistent with previously observed concentrations and reporting limits from recent sampling events.

During sample collection for the first quarter 2026 monitoring event, prior to the start of purging, the water level at AP4-MW2 (U) was below the top of the dedicated pump. A sample was able to be collected from the well, but a water level was not able to be recorded. A portion of the collected purge water was used for completing the required volume of water needed for the sampling event, as the well was purged dry during the course of sample collection. Review of the analytical results for the first quarter sample from AP4-MW2 suggests similar water quality to prior collected samples at the well.

Similarly, during sample collection for the third quarter 2026 monitoring event, prior to the start of purging, the water level at AP4-MW2 (U) was below the top of the dedicated pump. The water level was not able to be recorded, and a sample was not able to be collected from the well. The change in water level is attributed to ongoing low recharge conditions. Changes to the available water column and water quality will continue to be monitored in future monitoring events.

No other problems were encountered as part of the field and laboratory sampling in Q1 2026 and Q3 2026.

2.4 Proposed key activities for 2027

Detection monitoring sampling events are planned for the first and third quarters (Q1 and Q3) of 2027. The detection monitoring sampling events will consist of sampling, data review, and comparative statistical analysis. Following each detection monitoring sampling event, semi-annual reports will be provided to the NDWEE and placed in the facility operating record, and an annual report will be prepared to meet the requirements of the federal CCR rule.

3. Groundwater monitoring analytical program status

Analytical activities associated with the groundwater monitoring program are described below.

3.1 Samples collected

NPPD staff collected eight initial baseline samples on a quarterly basis between September 15, 2015, and May 16, 2017, at each of the three upgradient and four downgradient monitoring wells. Detection monitoring samples have been collected on a semi-annual basis beginning on September 19, 2017. This report outlines the results of the detection monitoring sampling events that occurred in March and August, 2025. Specific dates for each sample collected as part of the program are provided in Table 1 through Table 7.

3.1.1 Groundwater elevation and flow rate

Groundwater elevations were measured in each well during each sampling event prior to purging. Elevation measurements can be found in Table 8. Groundwater elevations and interpolated groundwater contours from the February 2026 (Q1 2026) detection monitoring sampling event and the August 2026 (Q3 2026) detection monitoring sampling event are shown in Figure 1 and Figure 2, respectively. Figure 3 shows groundwater elevations over time at the site.

The groundwater flow rate across Ash Pond 4 was estimated with the equation $V_s = k \times i / n_e$, where:

- V_s is the groundwater flow rate, in feet per day (ft/day).
- k is the hydraulic conductivity in ft/day, estimated at 0.005 ft/day from slug testing results from system wells.
- i is the hydraulic gradient in feet per foot (ft/ft), calculated based on groundwater elevations during each monitoring event.
- n_e is the effective porosity, a unitless parameter, estimated to be 0.2 for site soils.

The average groundwater flow rate for February 2026 was estimated to be 6.1×10^{-4} ft/day, based on the calculated hydraulic gradient for February 2026 of 0.025 ft/ft.

The average groundwater flow rate for August 2026 was estimated to be 6.2×10^{-4} ft/day, based on the calculated hydraulic gradient for August 2026 of 0.025 ft/ft.

3.2 Monitoring data (analytical results)

Analytical results for the detection monitoring results for the February 2026 and August 2026 monitoring events are shown in Table 1 through Table 7.

3.3 Comparative statistical analysis

Comparative statistical analysis was conducted using the results of the most recent baseline update conducted prior to the Q3 2025 detection monitoring event (WSP 2025b) following guidance provided by the USEPA (2009). The results of the comparative statistical analysis are summarized below and presented in Table 9 through Table 15. A full description of the steps taken for the comparative statistical analysis can be found in the Groundwater Monitoring Statistical Methods Certification (GAI 2017a).

3.3.1 Definitions

The following definitions are used in discussion of the comparative statistical analysis:

- Statistically Significant Increase (SSI) – defined as a result that exceeds the statistical limit established by the baseline statistical analysis, which has been verified by confirmatory re-sampling and analysis.
- Elevated CUSUM – occurs when the calculated CUSUM (cumulative summation) value is greater than the Shewhart-CUSUM limit established by the baseline statistical analysis, but the analytical result does not exceed the Shewhart-CUSUM limit. An elevated CUSUM is an indication that concentrations are gradually increasing and that analytical results may exceed the Shewhart-CUSUM limit in the future. In the case of two-tailed analysis for field pH, an elevated CUSUM can also occur below the lower Shewhart-CUSUM statistical limit.
- Potential Exceedance – defined as an initial elevated CUSUM or an analytical result that exceeds the Shewhart-CUSUM limit or non-parametric prediction limit established by the baseline statistical analysis. Confirmatory re-sampling will determine if a potential exceedance is a false positive or a verified SSI. Non-detect results that exceed either the Shewhart-CUSUM limit or the non-parametric prediction limit are not considered potential exceedances.
- False positive – defined as an analytical result or elevated CUSUM that exceeded the associated statistical limit, but can be clearly attributed to laboratory error, changes in analytical precision, or is invalidated through confirmatory re-sampling. False positives are not used in calculation of any subsequent CUSUM values.
- Confirmatory re-sampling – designated as the next sampling event.
- Verified exceedances (verified SSIs) – interpreted as two consecutive samples exceeding the statistical limit (the original sample and the confirmatory re-sample, or two consecutive elevated CUSUMs) for the same parameter at the same well.



3.3.2 Potential exceedances – Q1 2026

No potential exceedances were identified for the Q1 2026 detection monitoring sampling event.

3.3.3 False positives – Q1 2026

No false positives were identified for the Q1 2026 detection monitoring sampling event.

3.3.4 Verified exceedances – Q1 2026

No verified SSIs were identified for the Q1 2026 detection monitoring sampling event.

3.3.5 Potential exceedances – Q3 2026

No potential exceedances were identified for the Q3 2026 detection monitoring sampling event.

3.3.6 False positives – Q3 2026

No false positives were identified for the Q3 2026 detection monitoring sampling event.

3.3.7 Verified exceedances – Q3 2026

No verified SSIs were identified for the Q3 2026 detection monitoring sampling event.

3.4 Program transitions

Beginning in Q3 2017, the groundwater monitoring program at Sheldon Station transitioned from the initial baseline period to detection monitoring. During the initial baseline period, eight independent samples from each well within the program were collected and analyzed for the constituents listed in Appendix III and Appendix IV of the federal CCR Rule prior to October 17, 2017, as specified in 40 CFR 257.94(b).

3.4.1 Detection monitoring

Samples for the detection monitoring program are collected on a semi-annual basis, beginning with the sample collected in September 2017. NPPD plans to continue to collect semi-annual samples under the detection monitoring program in the first and third quarters of 2027.

3.4.2 Alternative source demonstrations

Resulting from the verified SSI for sulfate at AP4-MW1 (U) verified during the Q1 2022 detection monitoring event, NPPD and Golder pursued an alternative source demonstration (ASD) (GAUSA 2022C). As an upgradient background location, groundwater from AP4-MW1 flows north towards the landfill, as shown in Figure 1. As such, AP4 is not considered the source of the verified SSI at AP4-MW1.



A review of relevant site conditions and associated information was completed within 90 days of identification of the verified SSI and presented as an ASD. Following completion of the successful ASD and concurrence of the NDWEE (formerly the NDEE) (NDEE 2022), Sheldon Station's AP4 remains in detection monitoring.

Resulting from the verified SSI for field pH at AP4-MW7 (U) verified during the Q1 2025 detection monitoring event, NPPD and WSP pursued an alternative source demonstration (WSP 2025c). The SSI for field pH was attributed to natural variability within the groundwater system and instrument variability within the pH probe. As such, AP4 is not considered the source of the verified SSI at AP4-MW7. A review of relevant site conditions and associated information was completed within 90 days of identification of the verified SSI and presented as an ASD. Following completion of the successful ASD and concurrence of the NDWEE (NDWEE 2025), Sheldon Station's AP4 remains in detection monitoring. As part of the concurrence of the NDWEE, AP4-MW7 was reclassified as an upgradient well. A memo was provided to the NDWEE detailing the site conditions and reclassification of AP4-MW7 at the request of the NDWEE (WSP 2025a).

3.4.3 Assessment monitoring

The current groundwater monitoring program at Sheldon Station is not in assessment monitoring. Assessment monitoring has not been triggered as described in the permitted SAP (GAUSA 2022a).

3.4.4 Corrective measures assessment

The current groundwater monitoring program at Sheldon Station does not indicate the need for corrective measures. An assessment of corrective measures has not been required. No alternative source demonstration stemming from statistically significant levels of Appendix IV parameters identified as part of an assessment monitoring program has been made. No actions are required at this time.

4. Recommendations and closing

This report presents the results for the CCR detection monitoring events that occurred on February 9, 2026 and August 25, 2025, along with the associated comparative statistical analysis, for NPPD's Sheldon Station Ash Landfill No. 4.

As described in the Groundwater Monitoring System Certification (GAI 2017b) and the Groundwater Monitoring Statistical Methods Certification (GAI 2017a), the groundwater monitoring and analytical procedures meet the general requirements of the CCR Rule and the permitted SAP (GAUSA 2022a), and modification to the sampling program is not recommended at this time.

References

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- GAI. 2017b. Coal Combustion Residuals Landfill Groundwater Monitoring System Certification. October 11, 2017.
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- GAUSA. 2022c. Alternate Source Demonstration for Sulfate at Upgradient Location AP4-MW1. July 20, 2022.
- NDEE (Nebraska Department of Environment and Energy). 2022. Response to MW-1 Sulfate Alternate Source Demonstration (ASD). Letter from Wade Gregson (NDEE) to Brian J. Kozisek (NPPD). August 19, 2022.
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- USEPA (United States Environmental Protection Agency). 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance. Office of Resource Conservation and Recovery. EPA-R-09-007. March 2009.
- USEPA. 2015. Code of Federal Regulations Title 40 Part 257: Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities. April 17, 2015.
- WSP (WSP USA Inc.). 2025a. Sheldon Station – Ash Landfill No. 4 Groundwater Monitoring Network Review. October 2, 2025.
- WSP. 2025b. Baseline Update for Groundwater Quality Monitoring at Nebraska Public Power District's Sheldon Station Ash Landfill No. 4. October 1, 2025.
- WSP. 2025c. Alternative Source Demonstration for Field pH at AP4-MW7, Sheldon Station Ash Landfill No 4. Revision 2. September 5, 2025.

Tables

Table 1. Data Summary Table - AP4-MW1

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0784	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.130	< 0.100	< 0.100	0.106	< 0.100	< 0.100	0.0723
Calcium, Total	mg/L	89.8	90.4	95.1	103	93.0	88.3	103	92.3	91.0	99.6	82.4	94.2	93.7	85.3	94.0	96.2	93.7	92.6	101	85.2	99.4	79.5	92.8	90.4	77.1	85.1	93.6
Chloride	mg/L	22.5	7.05	5.57	6.43	6.24	11	5.37	7.48	7.47	6.52	5.61	6.15	1.18	6.74	7.27	7.13	7.17	6.81	7.59	7.19	7.33	7.57	7.54	10.4	9.07	7.85	9.17
Fluoride	mg/L	< 0.500	0.598	0.923	0.796	0.604	< 0.500	0.656	1.22	1.2	0.846	0.723	1.07	0.194	0.552	0.816	0.856	0.615	0.611	0.524	0.811	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Field pH	pH units	6.95	6.94	7.46	7.26	7.19	7.19	7.32	7.19	7.17	7.36	7.23	7.59	7.60	7.37	7.16	6.8	7.14	7.11	7.20	7.04	6.95	7.10	7.00	7.12	7.06	7.09	7.03
Sulfate	mg/L	22.8	23.7	22.2	22.2	22.8	24.5	20.6	21.7	24.4	23.4	19.6	23.2	4.79	25.7	25.3	25.2	27.2	26.2	22.7	23.2	27.3	23.8	22.3	21.1	25.9	23.1	28.2
Total Dissolved Solids	mg/L	440	462	428	430	462	464	484	520	464	408	406	416	392	422	396	388	388	396	368	362	400	402	430	426	398	414	386
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.23	0.258	0.221	0.199	0.193	0.209	0.269	0.231	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.598	0.923	0.796	0.604	< 0.500	0.656	1.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0508	0.0513	0.0504	0.0505	0.0506	0.0546	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00725	0.00823	0.00724	0.00647	0.00656	0.00655	0.00883	0.00739	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.257 ± 0.0866	0.293 ± 0.104	0.35 ± 0.097	0.314 ± 0.0878	0.417 ± 0.111	0.527 ± 0.33	0.208 ± 0.0918	0.373 ± 0.125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.14 ± 0.411	2.68 ± 0.446	1.49 ± 0.319	1.19 ± 0.318	1.26 ± 0.383	2.09 ± 0.453	2.02 ± 0.392	1.88 ± 0.383	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.397 ± 0.42	2.973 ± 0.458	1.84 ± 0.333	1.51 ± 0.33	1.67 ± 0.399	2.62 ± 0.561	2.22 ± 0.403	2.25 ± 0.403	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.00901	0.0123	0.0101	0.00873	0.00826	0.00816	0.0114	0.00999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR Rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 2. Data Summary Table - AP4-MW2

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0831	< 0.500	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.400	< 0.100	< 0.100	0.111	< 0.100	< 0.100	0.121	< 0.100	< 0.100	--
Calcium, Total	mg/L	335	321	294	320	289	286	342	278	293	331	263	297	291	239	292	296	288	295	336	269	309	290	306	310	270	279	--
Chloride	mg/L	89.9	93.3	83.6	94.2	92.7	92.5	87	88.6	88.6	94.3	92	87.6	88.8	93.9	106.0	113.0	111	115	99.6	106	111	99.9	99.8	95.7	103	89.7	--
Fluoride	mg/L	< 0.500	3.1	0.596	0.666	0.558	< 0.500	< 0.500	0.935	0.677	0.687	< 0.500	0.612	0.702	0.715	< 0.500	< 0.500	0.533	< 0.500	< 0.500	0.544	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	--
Field pH	pH units	6.98	6.99	7.37	7.2	7.16	7.13	7.25	7.12	7.16	7.26	7.19	7.44	7.60	7.33	7.09	7.05	7.08	7.09	7.1	6.97	6.97	6.97	6.97	7.08	6.97	6.99	--
Sulfate	mg/L	884	888	797	804	901	842	774	797	894	879 E	827	923	855	857	874	876	882	933	906	874	1120	873	944	957	996	911	--
Total Dissolved Solids	mg/L	1720	1840	1700	1830	1900	1790	2360	1780	2210	1650	1680	1730	1570	1740	1620	1680	1620	1560	1680	1380	1750	1610	1630	1700	1720	1580	--
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.0115	0.0117	0.0107	0.0102	0.00996	0.012	0.0138	0.0103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	3.1	0.596	0.666	0.558	< 0.500	< 0.500	0.935	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0811	0.0754	0.0699	0.0681	0.0523	0.0705	0.0661	0.0694	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00543	0.00555	0.00526	0.00533	0.00519	0.00494	0.00627	0.00491	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.258 ± 0.0937	0.241 ± 0.0886	0.28 ± 0.0846	0.312 ± 0.0834	0.334 ± 0.097	0.778 ± 0.403	0.25 ± 0.103	0.188 ± 0.0925	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.02 ± 0.457	2.53 ± 0.497	2.07 ± 0.384	2.2 ± 0.449	2.41 ± 0.467	2.49 ± 0.485	2.01 ± 0.41	2.01 ± 0.405	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.278 ± 0.467	2.771 ± 0.505	2.35 ± 0.394	2.51 ± 0.456	2.74 ± 0.477	3.27 ± 0.631	2.26 ± 0.423	2.2 ± 0.415	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.714	0.697	0.634	0.706	0.628	0.628	0.779	0.657	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
E: Result exceeded calibration range.

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 3. Data Summary Table - AP4-MW7

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0758	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.101	
Calcium, Total	mg/L	67.7	68.7	72	66.2	69.4	66.9	79	67.6	67.5	64.3	65.5	66.4	69.4	66.6	66.3	71.7	70.5	68.2	78.2	64.8	75.7	65.9	68.5	78.8	61.3	64.1	69.5
Chloride	mg/L	16.1	11.8	11.4	11.2	13	11.7	10.6	12.9	13.3	12.5	12.1	12.9	11.3	11.8	9.89	11.4	9.65	11.4	13.3	13.9	16.8	16.0	14.7	13.8	17.2	14.4	14.8
Fluoride	mg/L	< 0.500	< 0.500	0.738	< 0.500	< 0.500	< 0.500	< 0.500	1.02	< 0.500	0.52	< 0.500	< 0.500	0.589	< 0.500	0.513	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
Field pH	pH units	7.20	7.45	7.65	7.39	7.40	7.48	7.57	7.52	7.46	7.56	7.54	7.94	7.15	7.70	7.39	7.34	7.37	7.36	7.30	7.23	7.11	7.26	7.17	7.08	7.22	7.23	7.27
Sulfate	mg/L	46	39.8	40.4	43.3	40.7	45.6	36.8	35.2	42.7	41.6	34.5	44.2	51.1	49.9	40.6	47.7	50.5	47	40.8	42.1	40.1	34.6	29.6	34.4	30.8	26.7	29.1
Total Dissolved Solids	mg/L	546	548	516	558	588	616	534	538	598	476	480	536	504	510	404	488	488	490	490	478	516	466	438	472	460	444	426
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.165	0.161	0.154	0.137	0.146	0.159	0.177	0.159	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	< 0.500	0.738	< 0.500	< 0.500	< 0.500	< 0.500	1.02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00841	0.00827	0.00823	0.0069	0.00785	0.00788	0.00955	0.00768	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.189 ± 0.0807	0.206 ± 0.865	0.277 ± 0.0928	0.25 ± 0.0781	0.29 ± 0.0907	< 0.404 U ± 0.271	0.357 ± 0.112	0.227 ± 0.092	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	1.2 ± 0.313	1.92 ± 0.396	1.58 ± 0.322	1.52 ± 0.342	1.60 ± 0.415	2.52 ± 0.481	1.91 ± 0.372	1.67 ± 0.358	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	1.389 ± 0.323	2.126 ± 0.405	1.86 ± 0.335	1.77 ± 0.350	1.89 ± 0.425	2.83 ± 0.552	2.27 ± 0.389	1.89 ± 0.369	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.00812	0.00846	0.00898	0.00834	0.00926	0.00764	0.00995	0.0103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 4. Data Summary Table - AP4-MW3

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0687	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.102	< 0.100	< 0.100	0.127
Calcium, Total	mg/L	82.4	85.9	89.8	88.5	87.5	85	95.8	86.1	83.7	92.3	74.7	88.5	87.8	81.1	84.1	88.4	88.3	84.3	94.5	78.8	88.5	78.1	84.9	82	72.8	81.6	84.6
Chloride	mg/L	12.4	< 5.00	< 5.00	< 5.00	6.94	5.4	< 5.00	5.18	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	< 0.500	0.975	1.08	1.1	0.513	0.884	1.04	1.82	1.2	1.29	1.05	1.29	1.24	1.24	1.34	1.33	0.914	0.972	0.717	1.23	1.14	1.27	1.21	1.11	1.47	1.22	1.38
Field pH	pH units	7.15	7.21	7.60	7.38	7.30	7.34	7.39	7.40	7.28	7.48	7.43	7.69	7.60	7.56	7.3	6.55	7.36	7.27	7.40	7.14	7.13	7.16	7.08	7.18	7.13	7.11	7.12
Sulfate	mg/L	33.2	24.4	25.2	34.6	31.2	29	20.6	21.7	33.2	30.7	20	35	32.3	30.3	26.7	22.9	29.2	22.3	21	19.3	17.7	20.0	19.1	21.3	20.2	16.6	16.3
Total Dissolved Solids	mg/L	418	460	390	420	488	430	428	442	494	404	374	426	378	374	378	348	344	354	326	318	360	360	340	374	366	332	338
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.218	0.235	0.225	0.222	0.206	0.232	0.271	0.238	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.975	1.08	1.1	0.513	0.884	1.04	1.82	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0502	< 0.0500	0.0519	< 0.05	< 0.05	0.0538	0.0520	0.0547	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00922	0.0101	0.00992	0.00873	0.00928	0.00978	0.0116	0.00983	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.401 ± 0.101	0.389 ± 0.106	0.384 ± 0.103	0.501 ± 0.104	0.4 ± 0.102	0.426 ± 0.292	0.318 ± 0.108	0.188 ± 0.0889	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	3.69 ± 0.576	2.87 ± 0.491	2.91 ± 0.463	3.42 ± 0.547	2.65 ± 0.477	3.19 ± 0.561	2.35 ± 0.432	2.26 ± 0.422	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	4.091 ± 0.474	3.259 ± 0.502	3.3 ± 0.474	3.92 ± 0.557	3.04 ± 0.487	3.62 ± 0.632	2.67 ± 0.445	2.45 ± 0.431	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0138	0.0164	0.0165	0.0145	0.0152	0.0154	0.0201	0.0191	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 5. Data Summary Table - AP4-MW4

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection										Detection Monitoring ¹																
Appendix III																												
Boron, Total	mg/L	0.0674	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.104	< 0.100	< 0.100	0.108
Calcium, Total	mg/L	128	123	103	115	111	105	132	95.4	108	109	97.1	100	112	91.9	104	112	109	102	119	100	117	108	117	103	101	108	120
Chloride	mg/L	13	8.99	< 5.00	6.71	8.55	7.77	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	< 0.500	0.987	0.946	0.949	< 0.500	0.732	0.786	1.33	1.18	1.2	0.796	1.17	1.12	0.983	1.110	0.989	0.900	0.837	0.626	1.03	< 1.00	1.09	1.06	<1.00	1.26	1.04	1.19
Field pH	pH units	7.02	7.17	7.40	7.25	7.15	7.22	7.23	7.31	7.23	7.32	7.29	7.60	7.75	7.43	7.22	7.23	7.17	7.13	7.3	7.02	6.97	7.05	6.99	7.10	7.02	7.00	7.06
Sulfate	mg/L	82.8	127	62.6	89.5	99.6	110	123	59.4	53.5	100	81.9	85.7	109	114	95.5	97.5	87.3	84.7	76.1	96.7	96.5	130	102	79.5	118	122	123
Total Dissolved Solids	mg/L	506	590	476	518	582	556	576	666	498	530	466	486	490	516	510	466	452	452	436	460	504	526	500	486	520	522	558
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.151	0.14	0.168	0.128	0.131	0.177	0.123	0.158	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.987	0.946	0.949	< 0.500	0.732	0.786	1.33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00509	0.0054	0.00493	0.00443	0.00481	0.00466	0.00642	0.00483	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.45 ± 0.10	0.451 ± 0.124	0.362 ± 0.104	0.471 ± 0.094	0.36 ± 0.097	0.481 U ± 0.132	0.327 ± 0.111	0.185 ± 0.090	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.78 ± 0.48	1.59 ± 0.370	0.86 ± 0.362	0.62 ± 0.462	0.05 ± 0.452	0.39 ± 0.384	0.93 ± 0.391	1.9 ± 0.388	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	3.23 ± 0.502	2.041 ± 0.392	1.223 ± 0.378	1.09 ± 0.472	0.41 ± 0.462	0.56 ± 0.472	1.25 ± 0.412	2.08 ± 0.394	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0259	0.0137	0.0181	0.0132	0.0198	0.0119	0.0104	0.013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 6. Data Summary Table - AP4-MW5

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024				
	Units	Background Collection								Detection Monitoring ¹																	
Appendix III																											
Boron, Total	mg/L	0.0934	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.133	< 0.100	< 0.100	< 0.400	< 0.100	0.109	0.125	< 0.100	0.40	0.110		
Calcium, Total	mg/L	358	520	439	460	523	517	608	310	488	537	146	541	504	363	579	210	177	600	178	471	468	500	##	##	6#	
Chloride	mg/L	8.98	8.99	5.77	6.97	7.98	10	5.69	6.76	< 5.00	6.59	< 5.00	5.1	5.43	6.03	6.19	5.56	< 5.00	5.71	< 5.00	6.28	6.11	6.52	66	7.57		
Fluoride	mg/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	0.658	0.601	< 0.500	0.664	0.61	< 0.500	< 0.500	0.53	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	1.1	1.1	1.1	
Field pH	pH units	6.75	7.05	7.08	6.89	6.81	6.82	6.90	6.90	6.82	6.97	7.27	7.23	7.26	7.06	6.82	6.94	7.04	6.67	7.1	6.63	6.64	6.62				
Sulfate	mg/L	1420	1480	969	1410	1620	1570	1350	740	784	1630	468	1470	1370	1540	1580	678	592	1670	426	1590	1550	1680	##	##	28#	
Total Dissolved Solids	mg/L	2540	2740	1950	2620	2860	2920	3010	1490	1710	2690	1020	2390	2210	2500	2740 H	1180	980	2450	750	2350	2660	2510	##	##	30#	
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Barium, Total	mg/L	0.017	0.00903	0.0117	0.00926	0.00843	0.00795	0.00756	0.0124	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Fluoride	mg/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lithium, Total	mg/L	0.0948	0.1330	0.1210	0.1280	0.1480	0.1680	0.1660	0.1080	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Molybdenum, Total	mg/L	0.00444	0.00329	0.0035	0.00274	0.00263	0.00284	0.00373	0.00344	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-226	pCi/L	0.167 ± 0.0816	0.156 ± 0.103	0.267 ± 0.084	0.176 ± 0.0734	0.217 ± 0.0891	< 0.397 U ± 0.253	0.105 ± 0.068	< 0.109 U ± 0.058	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-228	pCi/L	2.08 ± 0.432	< 0.471 U ± 0.297	2 ± 0.392	1.02 ± 0.317	1.36 ± 0.373	0.972 ± 0.383	0.934 ± 0.294	< 0.361 U ± 0.234	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-226 + Radium-228	pCi/L	2.247 ± 0.44	0.505 ± 0.314	2.27 ± 0.40	1.19 ± 0.325	1.57 ± 0.384	1.21 ± 0.459	1.04 ± 0.302	< 0.361 U ± 0.241	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Selenium, Total	mg/L	0.0563	< 0.00500	0.0286	0.0236	0.00561	< 0.00500	< 0.00500	0.0562	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).
H: Sample was prepped or analyzed beyond the specified holding time.

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 7. Data Summary Table - AP4-MW6

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0862	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.11	< 0.100	< 0.100	0.112
Calcium, Total	mg/L	103	105	101	104	106	101	118	94.1	106	106	92.7	90.6	101	99.2	99.5	105	99.9	99	116	97.2	112	99.6	102	103	89.7	103	107
Chloride	mg/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	5.28	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
Fluoride	mg/L	0.87	0.85	1.37	1.61	1.21	1.45	1.35	1.62	1.62	2.19	1.31	1.5	1.46	2.08	1.82	1.53	1.20	1.35	102	1.45	1.28	1.44	1.54	1.15	1.68	1.32	1.44
Field pH	pH units	6.92	7.21	7.46	7.19	7.11	7.21	7.35	7.33	7.16	7.40	7.32	7.63	7.22	7.49	7.20	7.16	7.17	7.15	7.20	7.04	6.91	7.07	6.97	6.94	6.97	7.08	7.00
Sulfate	mg/L	58.5	96.6	51.3	50.7	70.6	69.1	59.3	53.4	50	60.5	46.7	57.7	65.2	75.5	51.8	58.4	61.8	53.8	52.3	59.8	65.9	66.3	53	73.5	61.9	69.6	64.6
Total Dissolved Solids	mg/L	468	506	506	436	514	530	584	550	498	432	396	440	458	422	454	414	414	402	382	394	428	438	428	470	442	456	404
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Barium, Total	mg/L	0.0725	0.0611	0.0622	0.0589	0.0605	0.0629	0.0672	0.0568	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Fluoride	mg/L	0.869	0.845	1.37	1.61	1.21	1.45	1.35	1.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Molybdenum, Total	mg/L	0.00329	0.0039	0.00393	0.00344	0.00281	0.00397	0.00455	0.00411	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-226	pCi/L	0.287 ± 0.0872	0.232 ± 0.0917	0.227 ± 0.0771	0.261 ± 0.073	0.361 ± 0.113	0.545 ± 0.358	0.163 ± 0.0907	0.17 ± 0.0861	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-228	pCi/L	0.983 ± 0.307	0.766 ± 0.31	0.672 ± 0.243	0.699 ± 0.279	1.27 ± 0.439	0.735 ± 0.378	0.451 ± 0.245	0.752 ± 0.244	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-226 + Radium-228	pCi/L	1.27 ± 0.319	0.998 ± 0.323	0.899 ± 0.254	0.961 ± 0.288	1.63 ± 0.454	1.28 ± 0.521	0.614 ± 0.261	0.921 ± 0.259	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Selenium, Total	mg/L	0.0103	0.00883	0.0109	0.00974	0.00984	0.0098	0.0112	0.0104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

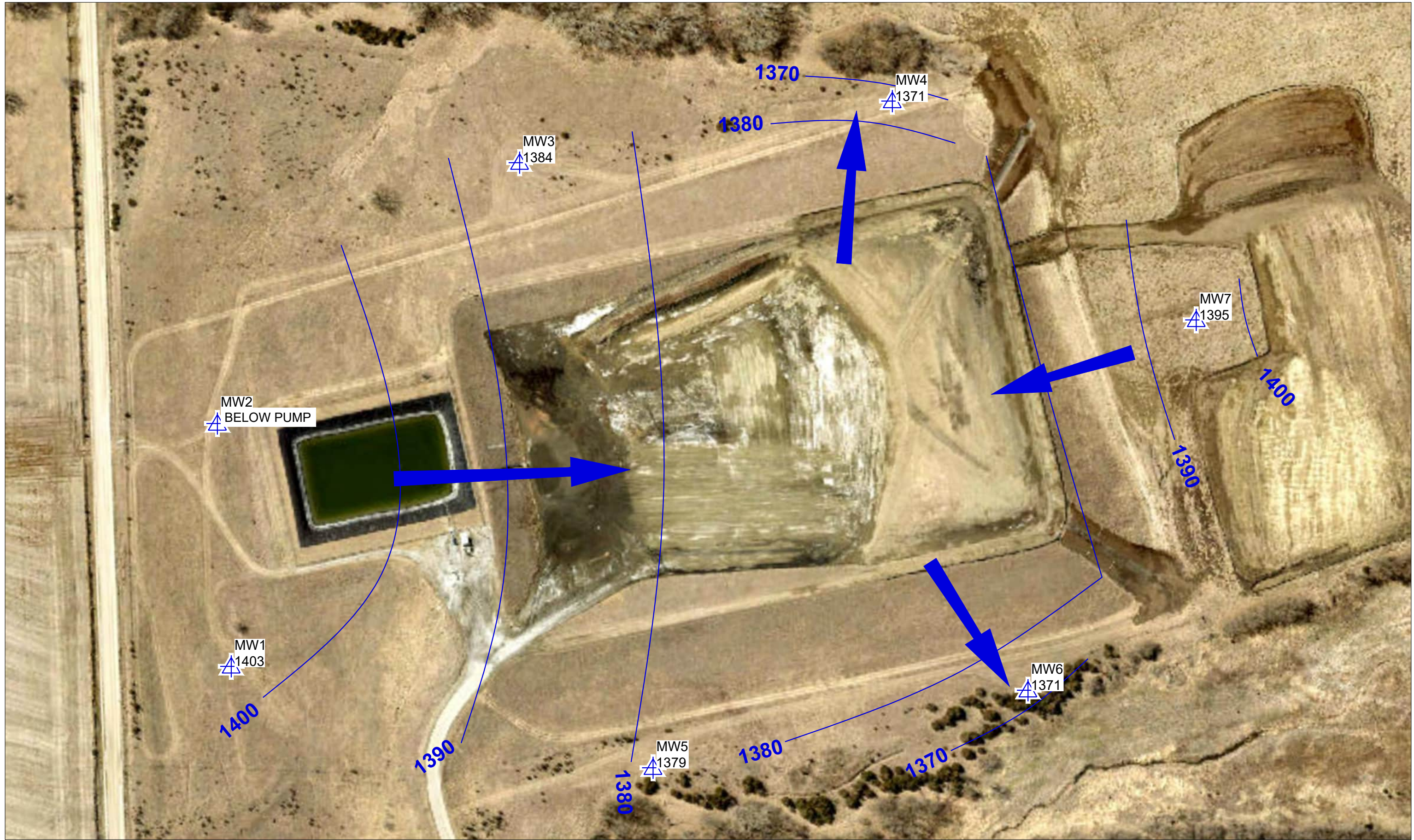
Table 8 - Sheldon Station Ash Landfill No. 4
Groundwater Levels (ft amsl)

Sample Period	Upgradient Wells			Downgradient Wells			
	AP4-MW1	AP4-MW2	AP4-MW7	AP4-MW3	AP4-MW4	AP4-MW5	AP4-MW6
MP Elev.	1425.95	1445.03	1424.29	1411.72	1396.10	1403.10	1386.61
QTR-2002-4	1410.90	1422.78	1401.53	1392.14	1375.99	1385.78	1374.15
QTR-2003-1	1409.36	1421.35	1399.28	1390.20	1374.01	1383.07	1374.06
QTR-2003-2	1412.99	1421.11	1398.78	1396.11	1376.52	1387.68	1376.90
QTR-2003-3	1411.22	1421.87	1401.34	1390.91	1372.66	1382.35	1369.46
QTR-2003-4	1410.02	1422.24	1401.38	1390.31	1373.48	1382.30	1369.10
QTR-2004-1	1411.81	1420.78	1398.98	1393.01	1377.92	1384.12	1377.59
QTR-2004-2	1412.04	1420.72	1400.70	1394.77	1375.64	1383.75	1374.83
QTR-2004-3	1411.24	1421.22	1408.14	1393.89	1375.55	1384.18	1373.85
QTR-2004-4	1409.40	1421.39	1407.23	1391.65	1373.40	1381.88	1374.65
QTR-2005-1	1409.32	1420.12	1401.20	1390.66	1372.78	1381.29	1374.62
QTR-2005-2	1410.36	1419.77	1399.82	1388.86	1372.63	1381.27	1374.55
QTR-2005-3							
QTR-2005-4	1407.83	1419.58	1399.32	1387.67	1372.52	1380.80	1369.44
QTR-2006-1	1406.35	1418.91	1397.99	1387.02	1372.42	1380.15	1371.76
QTR-2006-2	1408.37	1418.43	1397.48	1387.52	1372.42	1383.05	1372.36
QTR-2006-3	1403.26	1417.13	1399.99	1386.38	1372.30	1379.83	1370.22
QTR-2006-4	1404.91	1419.42	1399.89	1386.32	1372.25	1380.51	1369.90
QTR-2007-1	1407.21	1417.13	1397.74	1390.63	1372.89	1382.85	1374.67
QTR-2007-3	1409.61	1417.42	1409.74	1391.60	1373.85	1382.19	1370.84
QTR-2008-2	1415.33	1417.33	1414.16	1406.98	1385.69	1395.04	1379.15
QTR-2008-3	1412.64	1418.64	1413.10	1393.61	1376.05	1385.14	1373.43
QTR-2009-2	1409.86	1417.98	1403.78	1390.72	1374.15	1381.58	1374.49
QTR-2009-3	1408.87	1417.88	1407.03	1389.01	1372.47	1380.60	1370.31
QTR-2010-2	1413.98	1418.11	1414.59	1405.12	1381.85	1390.80	1375.51
QTR-2010-3	1411.22	1419.23	1413.39	1392.72	1374.81	1383.50	1374.39
QTR-2011-2	1409.32	1418.12	1403.83	1389.92	1374.80	1382.48	1374.55
QTR-2011-3	1411.24	1418.58	1411.18	1391.87	1373.60	1382.88	1373.56
QTR-2012-2	1412.85	1418.13	1413.29	1399.77	1377.74	1388.74	1375.41
QTR-2012-3	1408.70	1418.58	1410.77	1390.03	1372.72	1381.35	1369.47
QTR-2013-2	1411.47	1416.93	1402.57	1391.01	1375.34	1388.23	1375.31
QTR-2013-4	1410.46	1417.32	1407.27	1391.21	1373.05	1382.79	1370.11
QTR-2014-2	1407.80	1416.98	1400.05	1387.42	1372.03	1383.19	1374.23
QTR-2014-4	1407.74	1417.08	1404.99	1387.30	1372.10	1381.27	1371.75
QTR-2015-2	1412.00	1415.13	1409.78	1405.17	1379.63	1394.50	1375.75
QTR-2015-3	1412.05	1418.38	1412.67	1393.87	1376.77	1386.49	1371.86
QTR-2015-4	1410.50	1418.89	1408.79	1391.46	1374.49	1383.76	1372.41
QTR-2016-1	1412.60	1420.38	1405.38	1394.97	1377.65	1387.59	1374.66
QTR-2016-2	1414.94	1418.83	1410.62	1406.92	1384.72	1395.85	1376.79
QTR-2016-3	1412.06	1419.51	1414.29	1393.22	1375.65	1386.20	1373.11
QTR-2016-4	1410.10	1419.93	1408.39	1390.81	1373.60	1382.98	1372.41
QTR-2017-1	1408.24	1419.54	1403.49	1389.29	1372.83	1381.40	1373.83
QTR-2017-2	1410.15	1419.00	1402.41	1389.52	1373.35	1386.96	1373.96
QTR-2017-3	1410.40	1419.35	1409.31	1392.04	1372.70	1383.00	1372.12
QTR-2018-1	1408.01	1418.76	1402.92	1389.65	1372.37	1381.38	1374.21
QTR-2018-3	1410.46	1417.88	1410.27	1397.84	1375.90	1389.87	1374.85
QTR-2019-1	1413.80	1418.53	1411.27	1400.72	1383.19	1391.10	1377.89
QTR-2019-3	1412.07	1422.34	1415.12	1399.14	1377.58	1390.40	1374.46
QTR-2020-1	1414.38	1424.75	1411.49	1399.62	1378.73	1390.27	1374.60
QTR-2020-2	1414.67	1427.03	1415.83	1403.73	1380.90	1394.55	1375.70
QTR-2020-3	1411.10	1428.23	1414.78	1394.10	1375.29	1387.19	1373.30
QTR-2021-1	1410.62	1425.54	1405.72	1390.69	1375.14	1386.42	1374.19
QTR-2021-3	1410.46	1426.36	1412.38	1392.03	1373.93	1384.00	1371.92
QTR-2022-1	1408.46	1424.04	1404.24	1389.13	1372.69	1381.70	1373.66
QTR-2022-3	1408.65	1421.92	1408.57	1390.69	1371.45	1379.75	1370.26
QTR-2023-1	1405.85	1419.93	1400.39	1386.32	1370.00	1378.27	1369.80
QTR-2023-3	1405.35	1418.68	1398.38	1386.93	1370.75	1379.99	1370.86
QTR-2024-1	1405.43	1418.98	1397.63	1387.26	1372.18	1379.84	1370.80
QTR-2024-3	1405.25	1417.86	1398.27	1385.97	1371.45	1379.25	1369.31
QTR-2025-1	1404.17	1417.33	1397.82	1385.72	1371.62	1379.20	1371.86
QTR-2025-3	1403.80	1416.18	1395.70	1384.48	1371.22	1378.45	1370.71
QTR-2026-1	1403.30	*	1395.12	1384.37	1371.25	1378.60	1371.36
QTR-2026-3	1403.12	*	1396.95	1383.22	1370.94	1378.03	1371.16
Mean	1409.67	1419.75	1405.22	1392.05	1374.65	1384.13	1373.15
SD	3.05	2.69	6.04	5.56	3.37	4.42	2.37
Maximum	1415.33	1428.23	1415.83	1406.98	1385.69	1395.85	1379.15
Minimum	1403.12	1415.13	1395.12	1383.22	1370.00	1378.03	1369.10
Range	12.21	13.10	20.71	23.76	15.69	17.82	10.05
	Hydraulic Gradient			0.02			

MP = Measuring Point
MSL = Mean Sea Level (measured to nearest 0.01')
* = Water level below pump



Figures



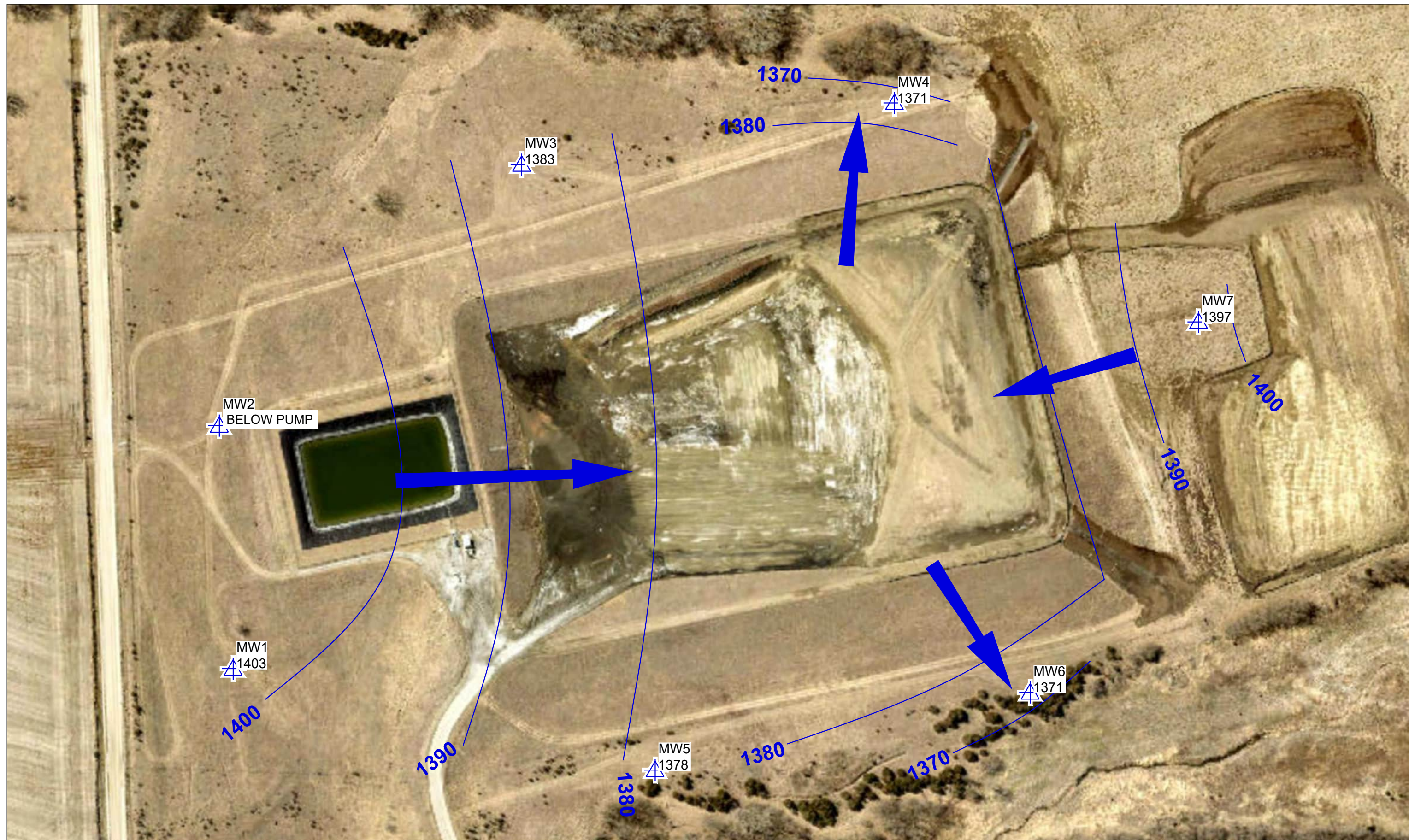
LEGEND
MW1 1405
MONITORING WELL
GROUNDWATER ELEVATION (ft AMSL)



0 75 150
1" = 150'
FEET

FIGURE 1
ASH LANDFILL NO. 4
GROUNDWATER CONTOURS
FEBRUARY 2026

Path: \\wsp-johann-net\US-Central\Data\USL\K100\area\NPDP\Sheldahl09_PROJECT\NPDP_SS_2026_GWSS_GW_Maps_2026_Q3.dwg | File Name: SS_GW_Maps_2026_Q3.dwg



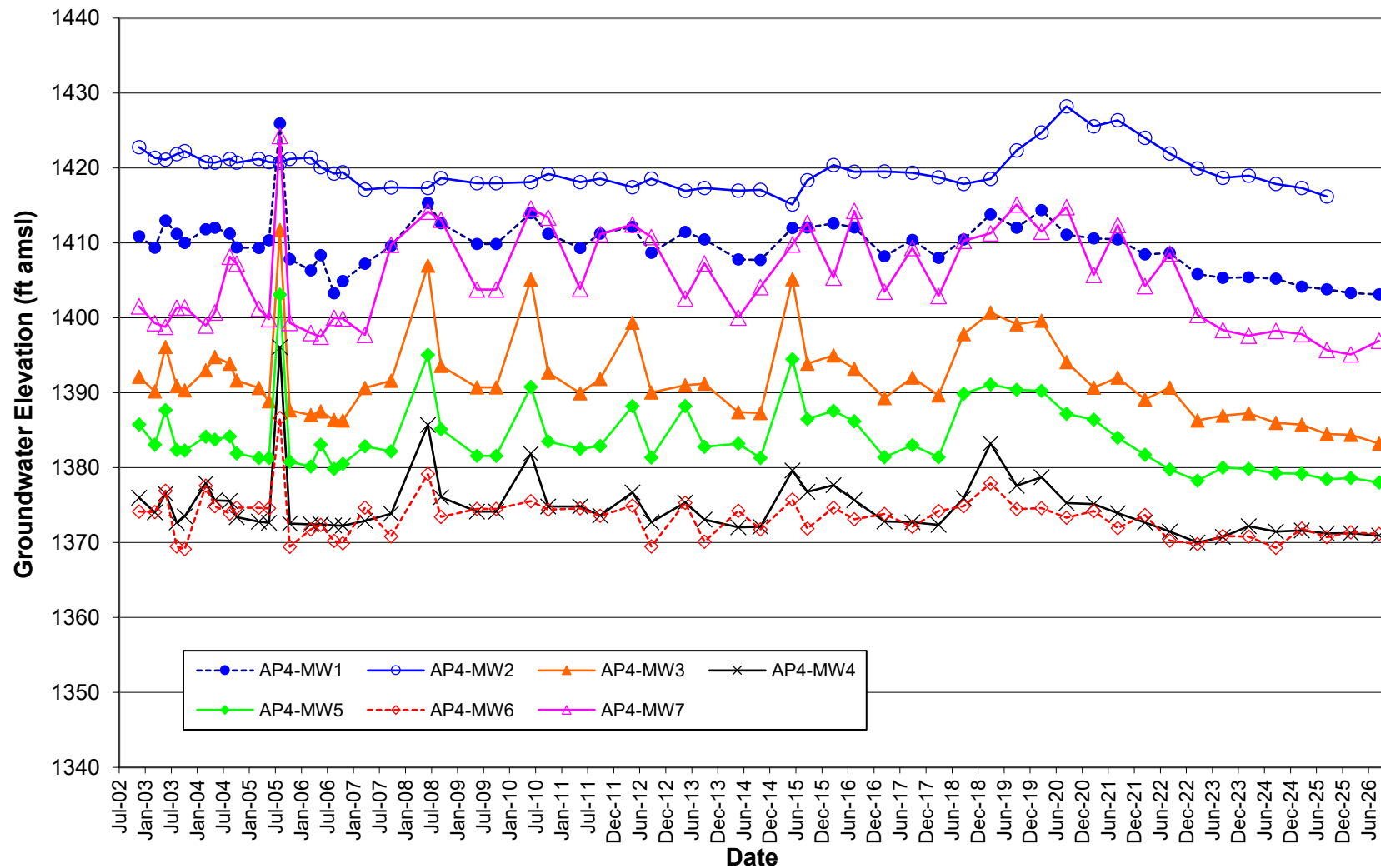
LEGEND
MW1 1405
MONITORING WELL
GROUNDWATER ELEVATION (ft AMSL)



0 75 150
1" = 150'
FEET

FIGURE 1
ASH LANDFILL NO. 4
GROUNDWATER CONTOURS
AUGUST 2026

FIGURE 2
Sheldon Station Ash Landfill No. 4
Groundwater Elevations





Appendix A Q1 2026 Semi-Annual Report



REPORT

Q1 2026 Semi-Annual Groundwater Report

Nebraska Public Power District – Sheldon Station

Submitted to:

Nebraska Department of Water, Energy, and Environment

Compliance Sector Supervisor, Land Management Division
P.O. Box 98922, Lincoln, Nebraska, USA 68509-8922

Submitted by:

Nebraska Public Power District

Sheldon Station, 4500 West Pella Road, Hallam, Nebraska 68368

Prepared by:

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US0054356.2344-001-RPT-0

April 21, 2026

Table of Contents

1.0	INTRODUCTION	1
1.1	Facility Information	1
1.2	Purpose	1
2.0	GROUNDWATER MONITORING NETWORK PROGRAM STATUS.....	1
2.1	Completed Key Actions in First Quarter 2026.....	1
2.2	Installation and Decommissioning of Monitoring Wells.....	1
2.3	Problems and Resolutions	1
2.4	Proposed Key Activities for 2026	2
3.0	GROUNDWATER MONITORING ANALYTICAL PROGRAM STATUS	2
3.1	Samples Collected	2
3.1.1	Groundwater Elevation and Flow Rate	2
3.2	Monitoring Data (Analytical Results).....	3
3.3	Comparative Statistical Analysis	3
3.3.1	Definitions	3
3.3.2	Potential Exceedances	4
3.3.3	False Positives	4
3.3.4	Verified Exceedances	4
3.4	Program Transitions.....	4
3.4.1	Detection Monitoring	4
3.4.2	Alternative Source Demonstrations	4
3.4.3	Assessment Monitoring.....	4
3.4.4	Corrective Measures and Assessment	5
4.0	RECOMMENDATIONS AND CLOSING.....	5
5.0	REFERENCES	7

TABLES

Table 1: Data Summary Table – AP4-MW1 (U)
Table 2: Data Summary Table – AP4-MW2 (U)
Table 3: Data Summary Table – AP4-MW7 (U)
Table 4: Data Summary Table – AP4-MW3
Table 5: Data Summary Table – AP4-MW4
Table 6: Data Summary Table – AP4-MW5
Table 7: Data Summary Table – AP4-MW6
Table 8: Sheldon Station Ash Landfill No. 4 Groundwater Levels
Table 9: Comparative Statistics – AP4-MW1 (U)
Table 10: Comparative Statistics – AP4-MW2 (U)
Table 11: Comparative Statistics – AP4-MW7 (U)
Table 12: Comparative Statistics – AP4-MW3
Table 13: Comparative Statistics – AP4-MW4
Table 14: Comparative Statistics – AP4-MW5
Table 15: Comparative Statistics – AP4-MW6

FIGURES

Figure 1: Ash Landfill No. 4, Groundwater Contours, February 2026
Figure 2: Ash Landfill No. 4, Groundwater Elevations

APPENDIX A

Analytical Report and Chain-of-Custody Documentation

APPENDIX B

Field Notes

APPENDIX C

Time Series Data

APPENDIX D

Comparative Statistical Analysis

1.0 INTRODUCTION

WSP USA Inc. (WSP) has prepared this report describing the first 2026 semi-annual groundwater sampling event and comparative statistical analysis for Nebraska Public Power District's (NPPD) Sheldon Station Ash Landfill No. 4 (AP4) in Hallam, Nebraska. This report was written to meet the requirements of the site's permitted Sampling and Analysis Plan (SAP; GAUSA 2022a), as approved by the Nebraska Department of Water, Energy, and Environment (NDWEE), and the federal Coal Combustion Residuals (CCR) Rule's sections on groundwater monitoring and corrective action, 40 Code of Federal Regulations (CFR) 257.90-98 and applicable revisions to the Rule.

1.1 Facility Information

Sheldon Station is owned and operated by NPPD and can generate 225 megawatts (MW) of power. The facility is located in southeastern Nebraska in Section 19, T7N, R6E, and is 18 miles south of Lincoln in Lancaster County. The village of Hallam is the closest community to the site and is 1.5 miles south of the facility. NPPD constructed Sheldon Station in 1958, switching the facility entirely to low-sulfur coal from Wyoming's Powder River Basin in 1974. The active CCR landfill at the site (AP4) contains fly ash and bottom ash.

1.2 Purpose

The United States Environmental Protection Agency's (USEPA) CCR Rule established specific requirements for reporting of groundwater monitoring and corrective action at CCR facilities in 40 CFR 257.90 to 40 CFR 257.98 (USEPA 2015). The permitted SAP for AP4 was developed to comply with both the federal CCR regulations and NDWEE requirements (GAUSA 2022a). Under the NDWEE reporting requirements, reports are prepared on a semi-annual basis, following each sampling event.

2.0 GROUNDWATER MONITORING NETWORK PROGRAM STATUS

The groundwater monitoring network for the active CCR landfill at Sheldon Station consists of seven monitoring wells as shown in Figure 1. The three upgradient monitoring wells are AP4-MW1, AP4-MW2 and AP4-MW7, which are marked by (U) throughout the text. The four downgradient monitoring wells are AP4-MW3, AP4-MW4, AP4-MW5, and AP4-MW6.

Prior to the Q3 2025 event, AP4-MW7 was classified as a downgradient well. Following discussion with the NDWEE, AP4-MW7 has been reclassified as an upgradient location (WSP 2025a).

2.1 Completed Key Actions in First Quarter 2026

The following activities occurred during the first quarter of 2026:

- A detection monitoring sampling event was completed during the first quarter of 2026.

2.2 Installation and Decommissioning of Monitoring Wells

No monitoring wells were installed or decommissioned at Sheldon Station during the first quarter of 2026.

2.3 Problems and Resolutions

During sample collection for the first quarter 2026 monitoring event, prior to the start of purging, the water level at AP4-MW2 (U) was below the top of the dedicated pump. A sample was able to be collected from the well, but a water level was not able to be recorded. A portion of the collected purge water was used for completing the required volume of water needed for the sampling event, as the well was purged dry during the course of sample

collection. Review of the analytical results for the first quarter sample from AP4-MW2 suggests similar water quality to prior collected samples at the well. The change in water level is attributed to ongoing low recharge conditions. Changes to the available water column and water quality will continue to be monitored in future monitoring events.

During the first quarter 2026 monitoring event, analysis by Method 9056A required dilution due to the sample matrix, resulting in non-detects with elevated reporting limits for several well-parameter pairs. Results are consistent with past results and required dilutions. The following well-parameter pairs were reported as non-detects with elevated reporting limits:

- Chloride, 5x dilution factor, elevated reporting limit equals 5.0 milligrams per liter (mg/L): AP4-MW3, AP4-MW4, and AP4-MW6
- Fluoride, 5x dilution factor, elevated reporting limit equals 1.00 mg/L: AP4-MW1, AP4-MW2, AP4-MW5, and AP4-MW7

The reported values are consistent with observed concentrations and reporting limits from recent sampling events.

No changes were made to the analytical reporting as a result of the review. No other problems were encountered as part of the field sampling or analysis in the first quarter of 2026.

2.4 Proposed Key Activities for 2026

A detection monitoring sampling event is scheduled to occur in Q3 of 2026 and will consist of sampling, data review, and comparative statistics. Following the detection monitoring sampling event, the second semi-annual report will be provided to the NDWEE.

3.0 GROUNDWATER MONITORING ANALYTICAL PROGRAM STATUS

Analytical activities associated with the groundwater monitoring program are described below.

3.1 Samples Collected

NPPD staff collected eight initial baseline samples on a quarterly basis between September 15, 2015, and May 16, 2017, at each of the upgradient and downgradient monitoring wells. Detection monitoring samples have been collected on a semi-annual basis beginning on September 19, 2017. This report outlines the results of the detection monitoring sampling event that occurred on February 9, 2026. Specific dates for each sample collected as part of the program are provided in Table 1 through Table 7. The analytical report for the results of samples collected February 9, 2026, is included as Appendix A and associated field notes are included as Appendix B.

3.1.1 Groundwater Elevation and Flow Rate

Groundwater elevations are measured in each well during each sampling event prior to purging. Elevation measurements can be found in Table 8. Groundwater elevations and interpolated groundwater contours from the February 2026 (First Quarter [Q1] 2026) detection monitoring sampling event are shown in Figure 1. Figure 2 shows groundwater elevations over time at the site.

The groundwater flow rate across Ash Pond 4 was estimated with the equation $V_s = k \times i/n_e$, where:

- V_s is the groundwater flow rate, in feet per day (ft/day).

- k is the hydraulic conductivity in ft/day, estimated at 0.005 ft/day from slug testing results from system wells.
- i is the hydraulic gradient in feet per foot (ft/ft), calculated based on groundwater elevations during each monitoring event.
- n_e is the effective porosity, a unitless parameter, estimated to be 0.2 for site soils.

The average groundwater flow rate for February 2026 from AP4-MW1 towards the three downgradient wells was estimated to be 6.1×10^{-4} ft/day, based on the calculated hydraulic gradient for February 2026 of 0.025 ft/ft. Calculations for the current event have been made using only the measurement from AP4-MW1, based on the water level at AP4-MW2 having been below the pump, preventing measurement.

3.2 Monitoring Data (Analytical Results)

Analytical results for the detection monitoring results for the February 2026 monitoring event are shown in Table 1 through Table 7. Time series of the parameters are included as Appendix C.

3.3 Comparative Statistical Analysis

Comparative statistical analysis was conducted using the baseline update conducted using data collected through the Q1 2025 detection monitoring event and provided to the NDWEE (WSP 2025b) following guidance provided by the USEPA (USEPA 2009). The results of the comparative statistical analysis are summarized below and presented in Table 9 through Table 15. A full description of the steps taken for the comparative statistical analysis can be found in the Groundwater Monitoring Statistical Methods Certification (GAI 2017a). Charts for the comparative statistical analysis are included as Appendix D.

3.3.1 Definitions

The following definitions are used in discussion of the comparative statistical analysis:

- Statistically Significant Increase (SSI) – defined as a result that exceeds the statistical limit established by the baseline statistical analysis, which has been verified by confirmatory re-sampling and analysis.
- Elevated CUSUM – occurs when the calculated CUSUM (cumulative summation) value is greater than the Shewhart-CUSUM limit established by the baseline statistical analysis, but the analytical result does not exceed the Shewhart-CUSUM limit. An elevated CUSUM is an indication that concentrations are gradually increasing and that analytical results may exceed the Shewhart-CUSUM limit in the future. In the case of two-tailed analysis for field pH, an elevated CUSUM can also occur below the lower Shewhart-CUSUM statistical limit.
- Potential Exceedance – defined as an initial elevated CUSUM or an analytical result that exceeds the Shewhart-CUSUM limit or non-parametric prediction limit established by the baseline statistical analysis. Confirmatory re-sampling will determine if a potential exceedance is a false positive or a verified SSI. Non-detect results that exceed either the Shewhart-CUSUM limit or the non-parametric prediction limit are not considered potential exceedances.
- False positive – defined as an analytical result or elevated CUSUM that exceeded the associated statistical limit, but can be clearly attributed to laboratory error, changes in analytical precision, or is invalidated through confirmatory re-sampling. False positives are not used in calculation of any subsequent CUSUM values.
- Confirmatory re-sampling – designated as the next sampling event.

- Verified exceedances (verified SSIs) – interpreted as two consecutive samples exceeding the statistical limit (the original sample and the confirmatory re-sample, or two consecutive elevated CUSUMs) for the same parameter at the same well.

3.3.2 Potential Exceedances

No potential exceedances were identified for the Q1 2026 detection monitoring sampling event.

3.3.3 False Positives

No false positives were identified for the Q1 2026 detection monitoring sampling event.

3.3.4 Verified Exceedances

No verified SSIs were identified for the Q1 2026 detection monitoring sampling event.

3.4 Program Transitions

Beginning in Q3 2017, the groundwater monitoring program at Sheldon Station transitioned from the initial baseline period to detection monitoring. During the initial baseline period, eight independent samples from each well within the program were collected and analyzed for the constituents listed in Appendix III and Appendix IV of the federal CCR Rule prior to October 17, 2017, as specified in 40 CFR 257.94(b).

3.4.1 Detection Monitoring

Samples for the detection monitoring program are collected on a semi-annual basis, beginning with the sample collected in September 2017. NPPD plans to continue to collect semi-annual samples under the detection monitoring program in the third quarter of 2026.

3.4.2 Alternative Source Demonstrations

Resulting from the verified SSI for sulfate at AP4-MW1 (U) verified during the Q1 2022 detection monitoring event, NPPD and Golder pursued an alternative source demonstration (ASD) (GAUSA 2022C). As an upgradient background location, groundwater from AP4-MW1 flows north towards the landfill, as shown in Figure 1. As such, AP4 is not considered the source of the verified SSI at AP4-MW1. A review of relevant site conditions and associated information was completed within 90 days of identification of the verified SSI and presented as an ASD. Following completion of the successful ASD and concurrence of the NDWEE (formerly the NDEE) (NDEE 2022), Sheldon Station's AP4 remains in detection monitoring.

Resulting from the verified SSI for field pH at AP4-MW7 (U) verified during the Q1 2025 detection monitoring event, NPPD and WSP pursued an alternative source demonstration (WSP 2025c). The SSI for field pH was attributed to natural variability within the groundwater system and instrument variability within the pH probe. As such, AP4 is not considered the source of the verified SSI at AP4-MW7. A review of relevant site conditions and associated information was completed within 90 days of identification of the verified SSI and presented as an ASD. Following completion of the successful ASD and concurrence of the NDWEE (NDWEE 2025), Sheldon Station's AP4 remains in detection monitoring. As part of the concurrence of the NDWEE, AP4-MW7 was reclassified as an upgradient well. A memo was provided to the NDWEE detailing the site conditions and reclassification of AP4-MW7 at the request of the NDWEE (WSP 2025a).

3.4.3 Assessment Monitoring

The current groundwater monitoring program at Sheldon Station is not in assessment monitoring. Assessment monitoring has not been triggered as described in the permitted SAP (GAUSA 2022a).

3.4.4 Corrective Measures and Assessment

The current groundwater monitoring program at Sheldon Station does not indicate the need for corrective measures. An assessment of corrective measures has not been required. No alternative source demonstration stemming from statistically significant levels of Appendix IV parameters identified as part of an assessment monitoring program has been made. No actions are required at this time.

4.0 RECOMMENDATIONS AND CLOSING

This report presents the results from the detection monitoring sampling event that occurred February 9, 2026, along with the associated comparative statistical analysis.

As described in the Groundwater Monitoring System Certification (GAI 2017b) and the Groundwater Monitoring Statistical Methods Certification (GAI 2017a), the groundwater monitoring and analytical procedures meet the general requirements of the CCR Rule and the permitted SAP (GAUSA 2022a), and modifications to the monitoring network and sampling program are not recommended at this time.

Signature Page

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[https://wsonline.sharepoint.com/sites/global-nppd2023gwqualityrep/project files/5 technical work/sheldon/2026 - q1/ndee report/_formatted_rev0/us0054356.2344-001-rpt-0-nppd_sheldon_q1-2026_20apr26.docx](https://wsonline.sharepoint.com/sites/global-nppd2023gwqualityrep/project%20files/5%20technical%20work/sheldon/2026-q1/ndee%20report/_formatted_rev0/us0054356.2344-001-rpt-0-nppd_sheldon_q1-2026_20apr26.docx)

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- WSP. 2025c. Alternative Source Demonstration for Field pH at AP4-MW7, Sheldon Station Ash Landfill No 4. Revision 2. September 5, 2025.

Tables

Table 1. Data Summary Table - AP4-MW1

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection										Detection Monitoring ¹															
Appendix III																											
Boron, Total	mg/L	0.0784	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.130	< 0.100	< 0.100	0.106	< 0.100	< 0.100
Calcium, Total	mg/L	89.8	90.4	95.1	103	93.0	88.3	103	92.3	91.0	99.6	82.4	94.2	93.7	85.3	94.0	96.2	93.7	92.6	101	85.2	99.4	79.5	92.8	90.4	77.1	85.1
Chloride	mg/L	22.5	7.05	5.57	6.43	6.24	11	5.37	7.48	7.47	6.52	5.61	6.15	1.18	6.74	7.27	7.13	7.17	6.81	7.59	7.19	7.33	7.57	7.54	10.4	9.07	7.85
Fluoride	mg/L	< 0.500	0.598	0.923	0.796	0.604	< 0.500	0.656	1.22	1.2	0.846	0.723	1.07	0.194	0.552	0.816	0.856	0.615	0.611	0.524	0.811	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Field pH	pH units	6.95	6.94	7.46	7.26	7.19	7.19	7.32	7.19	7.17	7.36	7.23	7.59	7.60	7.37	7.16	6.8	7.14	7.11	7.20	7.04	6.95	7.10	7.00	7.12	7.06	7.09
Sulfate	mg/L	22.8	23.7	22.2	22.2	22.8	24.5	20.6	21.7	24.4	23.4	19.6	23.2	4.79	25.7	25.3	25.2	27.2	26.2	22.7	23.2	27.3	23.8	22.3	21.1	25.9	23.1
Total Dissolved Solids	mg/L	440	462	428	430	462	464	484	520	464	408	406	416	392	422	396	388	388	396	368	362	400	402	430	426	398	414
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.23	0.258	0.221	0.199	0.193	0.209	0.269	0.231	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.598	0.923	0.796	0.604	< 0.500	0.656	1.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0508	0.0513	0.0504	0.0505	0.0506	0.0546	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00725	0.00823	0.00724	0.00647	0.00656	0.00655	0.00883	0.00739	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.257 ± 0.0866	0.293 ± 0.104	0.35 ± 0.097	0.314 ± 0.0878	0.417 ± 0.111	0.527 ± 0.33	0.208 ± 0.0918	0.373 ± 0.125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.14 ± 0.411	2.68 ± 0.446	1.49 ± 0.319	1.19 ± 0.318	1.26 ± 0.383	2.09 ± 0.453	2.02 ± 0.392	1.88 ± 0.383	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.397 ± 0.42	2.973 ± 0.458	1.84 ± 0.333	1.51 ± 0.33	1.67 ± 0.399	2.62 ± 0.561	2.22 ± 0.403	2.25 ± 0.403	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.00901	0.0123	0.0101	0.00873	0.00826	0.00816	0.0114	0.00999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR Rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 2. Data Summary Table - AP4-MW2

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection									Detection Monitoring ¹																
Appendix III																											
Boron, Total	mg/L	0.0831	< 0.500	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.400	< 0.100	< 0.100	0.111	< 0.100	< 0.100	0.121	< 0.100	< 0.100
Calcium, Total	mg/L	335	321	294	320	289	286	342	278	293	331	263	297	291	239	292	296	288	295	336	269	309	290	306	310	270	279
Chloride	mg/L	89.9	93.3	83.6	94.2	92.7	92.5	87	88.6	88.6	94.3	92	87.6	88.8	93.9	106.0	113.0	111	115	99.6	106	111	99.9	99.8	95.7	103	89.7
Fluoride	mg/L	< 0.500	3.1	0.596	0.666	0.558	< 0.500	< 0.500	0.935	0.677	0.687	< 0.500	0.612	0.702	0.715	< 0.500	< 0.500	0.533	< 0.500	< 0.500	0.544	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Field pH	pH units	6.98	6.99	7.37	7.2	7.16	7.13	7.25	7.18	7.16	7.26	7.19	7.44	7.60	7.33	7.09	7.05	7.08	7.09	7.1	6.97	6.97	6.97	7.08	6.97	6.99	6.99
Sulfate	mg/L	884	888	797	804	901	842	774	797	894	879 E	827	923	855	857	874	876	882	933	906	874	1120	873	944	957	996	911
Total Dissolved Solids	mg/L	1720	1840	1700	1830	1900	1790	2360	1780	2210	1650	1680	1730	1570	1740	1620	1680	1620	1560	1680	1380	1750	1610	1630	1700	1720	1580
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.0115	0.0117	0.0107	0.0102	0.00996	0.012	0.0138	0.0103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	3.1	0.596	0.666	0.558	< 0.500	< 0.500	0.935	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0811	0.0754	0.0699	0.0681	0.0523	0.0705	0.0661	0.0694	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00543	0.00555	0.00526	0.00533	0.00519	0.00494	0.00627	0.00491	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.258 ± 0.0937	0.241 ± 0.0886	0.28 ± 0.0846	0.312 ± 0.0834	0.334 ± 0.097	0.778 ± 0.403	0.25 ± 0.103	0.188 ± 0.0925	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.02 ± 0.457	2.53 ± 0.497	2.07 ± 0.384	2.2 ± 0.449	2.41 ± 0.467	2.49 ± 0.485	2.01 ± 0.41	2.01 ± 0.405	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.278 ± 0.467	2.771 ± 0.505	2.35 ± 0.394	2.51 ± 0.456	2.74 ± 0.477	3.27 ± 0.631	2.26 ± 0.423	2.2 ± 0.415	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.714	0.697	0.634	0.706	0.628	0.628	0.779	0.657	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
E: Result exceeded calibration range.

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 3. Data Summary Table - AP4-MW7

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection									Detection Monitoring ¹																
Appendix III																											
Boron, Total	mg/L	0.0758	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Calcium, Total	mg/L	67.7	68.7	72	66.2	69.4	66.9	79	67.6	67.5	64.3	65.5	66.4	69.4	66.6	66.3	71.7	70.5	68.2	78.2	64.8	75.7	65.9	68.5	78.8	61.3	64.1
Chloride	mg/L	16.1	11.8	11.4	11.2	13	11.7	10.6	12.9	13.3	12.5	12.1	12.9	11.3	11.8	9.89	11.4	9.65	11.4	13.3	13.9	16.8	16.0	14.7	13.8	17.2	14.4
Fluoride	mg/L	< 0.500	< 0.500	0.738	< 0.500	< 0.500	< 0.500	< 0.500	1.02	< 0.500	0.52	< 0.500	< 0.500	0.589	< 0.500	0.513	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Field pH	pH units	7.20	7.45	7.65	7.39	7.40	7.48	7.57	7.52	7.46	7.56	7.54	7.94	7.15	7.70	7.39	7.34	7.37	7.36	7.30	7.23	7.11	7.26	7.17	7.08	7.22	7.23
Sulfate	mg/L	46	39.8	40.4	43.3	40.7	45.6	36.8	35.2	42.7	41.6	34.5	44.2	51.1	49.9	40.6	47.7	50.5	47	40.8	42.1	40.1	34.6	29.6	34.4	30.8	26.7
Total Dissolved Solids	mg/L	546	548	516	558	588	616	534	538	598	476	480	536	504	510	404	488	488	490	490	478	516	466	438	472	460	444
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.165	0.161	0.154	0.137	0.146	0.159	0.177	0.159	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	< 0.500	0.738	< 0.500	< 0.500	< 0.500	< 0.500	1.02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00841	0.00827	0.00823	0.0069	0.00785	0.00788	0.00955	0.00768	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.189 ± 0.0807	0.206 ± 0.865	0.277 ± 0.0928	0.25 ± 0.0781	0.29 ± 0.0907	< 0.404 U ± 0.271	0.357 ± 0.112	0.227 ± 0.092	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	1.2 ± 0.313	1.92 ± 0.396	1.58 ± 0.322	1.52 ± 0.342	1.60 ± 0.415	2.52 ± 0.481	1.91 ± 0.372	1.67 ± 0.358	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	1.389 ± 0.323	2.126 ± 0.405	1.86 ± 0.335	1.77 ± 0.350	1.89 ± 0.425	2.83 ± 0.552	2.27 ± 0.389	1.89 ± 0.369	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.00812	0.00846	0.00898	0.00834	0.00926	0.00764	0.00995	0.0103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 4. Data Summary Table - AP4-MW3

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection									Detection Monitoring ¹																
Appendix III																											
Boron, Total	mg/L	0.0687	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.102	< 0.100	< 0.100
Calcium, Total	mg/L	82.4	85.9	89.8	88.5	87.5	85	95.8	86.1	83.7	92.3	74.7	88.5	87.8	81.1	84.1	88.4	88.3	84.3	94.5	78.8	88.5	78.1	84.9	82	72.8	81.6
Chloride	mg/L	12.4	< 5.00	< 5.00	< 5.00	6.94	5.4	< 5.00	5.18	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	< 0.500	0.975	1.08	1.1	0.513	0.884	1.04	1.82	1.2	1.29	1.05	1.29	1.24	1.24	1.34	1.33	0.914	0.972	0.717	1.23	1.14	1.27	1.21	1.11	1.47	1.22
Field pH	pH units	7.15	7.21	7.60	7.38	7.30	7.34	7.39	7.40	7.28	7.48	7.43	7.69	7.60	7.56	7.3	6.55	7.36	7.27	7.40	7.14	7.13	7.16	7.08	7.18	7.13	7.11
Sulfate	mg/L	33.2	24.4	25.2	34.6	31.2	29	20.6	21.7	33.2	30.7	20	35	32.3	30.3	26.7	22.9	29.2	22.3	21	19.3	17.7	20.0	19.1	21.3	20.2	16.6
Total Dissolved Solids	mg/L	418	460	390	420	488	430	428	442	494	404	374	426	378	374	378	348	344	354	326	318	360	360	340	374	366	332
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.218	0.235	0.225	0.222	0.206	0.232	0.271	0.238	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.975	1.08	1.1	0.513	0.884	1.04	1.82	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0502	< 0.0500	0.0519	< 0.05	< 0.05	0.0538	0.0520	0.0547	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00922	0.0101	0.00992	0.00873	0.00928	0.00978	0.0116	0.00983	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.401 ± 0.101	0.389 ± 0.106	0.384 ± 0.103	0.501 ± 0.104	0.4 ± 0.102	0.426 ± 0.292	0.318 ± 0.108	0.188 ± 0.0889	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	3.69 ± 0.576	2.87 ± 0.491	2.91 ± 0.463	3.42 ± 0.547	2.65 ± 0.477	3.19 ± 0.561	2.35 ± 0.432	2.26 ± 0.422	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	4.091 ± 0.474	3.259 ± 0.502	3.3 ± 0.474	3.92 ± 0.557	3.04 ± 0.487	3.62 ± 0.632	2.67 ± 0.445	2.45 ± 0.431	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0138	0.0164	0.0165	0.0145	0.0152	0.0154	0.0201	0.0191	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 5. Data Summary Table - AP4-MW4

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection									Detection Monitoring ¹																
Appendix III																											
Boron, Total	mg/L	0.0674	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.104	< 0.100	< 0.100
Calcium, Total	mg/L	128	123	103	115	111	105	132	95.4	108	109	97.1	100	112	91.9	104	112	109	102	119	100	117	108	117	103	101	108
Chloride	mg/L	13	8.99	< 5.00	6.71	8.55	7.77	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	< 0.500	0.987	0.946	0.949	< 0.500	0.732	0.786	1.33	1.18	1.2	0.796	1.17	1.12	0.983	1.110	0.989	0.900	0.837	0.626	1.03	< 1.00	1.09	1.06	<1.00	1.26	1.04
Field pH	pH units	7.02	7.17	7.40	7.25	7.15	7.22	7.23	7.31	7.23	7.32	7.29	7.60	7.75	7.43	7.22	7.23	7.17	7.13	7.3	7.02	6.97	7.05	6.99	7.10	7.02	7.00
Sulfate	mg/L	82.8	127	62.6	89.5	99.6	110	123	59.4	53.5	100	81.9	85.7	109	114	95.5	97.5	87.3	84.7	76.1	96.7	96.5	130	102	79.5	118	122
Total Dissolved Solids	mg/L	506	590	476	518	582	556	576	666	498	530	466	486	490	516	510	466	452	452	436	460	504	526	500	486	520	522
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.151	0.14	0.168	0.128	0.131	0.177	0.123	0.158	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.987	0.946	0.949	< 0.500	0.732	0.786	1.33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00509	0.0054	0.00493	0.00443	0.00481	0.00466	0.00642	0.00483	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.45 ± 0.107	0.451 ± 0.124	0.362 ± 0.104	0.471 ± 0.099	0.36 ± 0.097	0.481 U ± 0.132	0.327 ± 0.111	0.185 ± 0.090	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.78 ± 0.488	1.59 ± 0.370	1.86 ± 0.362	2.62 ± 0.468	2.05 ± 0.452	1.39 ± 0.384	1.93 ± 0.397	1.9 ± 0.388	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	3.23 ± 0.507	2.041 ± 0.399	2.23 ± 0.378	3.09 ± 0.478	2.41 ± 0.462	2.56 ± 0.472	2.25 ± 0.412	2.08 ± 0.399	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0259	0.0137	0.0181	0.0132	0.0198	0.0119	0.0104	0.013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 6. Data Summary Table - AP4-MW5

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection									Detection Monitoring ¹																
Appendix III																											
Boron, Total	mg/L	0.0934	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.133	< 0.100	< 0.100	< 0.400	< 0.100	0.109	0.125	< 0.100	0.109	< 0.400	0.145	0.124
Calcium, Total	mg/L	358	520	439	460	523	517	608	310	488	537	146	541	504	363	579	210	177	600	178	471	468	500	244	473	427	363
Chloride	mg/L	8.98	8.99	5.77	6.97	7.98	10	5.69	6.76	< 5.00	6.59	< 5.00	5.1	5.43	6.03	6.19	5.56	< 5.00	5.71	< 5.00	6.28	6.11	6.52	6.31	5.52	6.91	6.53
Fluoride	mg/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	0.658	0.601	< 0.500	0.664	0.61	< 0.500	< 0.500	0.53	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
Field pH	pH units	6.75	7.05	7.08	6.89	6.81	6.82	6.90	6.90	6.82	6.97	7.27	7.23	7.26	7.06	6.82	6.94	7.04	6.67	7.1	6.63	6.64	6.62	6.88	6.54	6.65	6.72
Sulfate	mg/L	1420	1480	969	1410	1620	1570	1350	740	784	1630	468	1470	1370	1540	1580	678	592	1670	426	1590	1550	1680	719	1470	1650	1280
Total Dissolved Solids	mg/L	2540	2740	1950	2620	2860	2920	3010	1490	1710	2690	1020	2390	2210	2500	2740 H	1180	980	2450	750	2350	2660	2510	1270	2630	2590	2300
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.017	0.00903	0.0117	0.00926	0.00843	0.00795	0.00756	0.0124	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0948	0.1330	0.1210	0.1280	0.1480	0.1680	0.1660	0.1080	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00444	0.00329	0.0035	0.00274	0.00263	0.00284	0.00373	0.00344	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.167 ± 0.0816	0.156 ± 0.103	0.267 ± 0.084	0.176 ± 0.0734	0.217 ± 0.0891	< 0.397 U ± 0.253	0.105 ± 0.068	< 0.109 U ± 0.058	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.08 ± 0.432	< 0.471 U ± 0.297	2 ± 0.392	1.02 ± 0.317	1.36 ± 0.373	0.972 ± 0.383	0.934 ± 0.294	< 0.361 U ± 0.234	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.247 ± 0.44	0.505 ± 0.314	2.27 ± 0.40	1.19 ± 0.325	1.57 ± 0.384	1.21 ± 0.459	1.04 ± 0.302	< 0.361 U ± 0.241	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0563	< 0.00500	0.0286	0.0236	0.00561	< 0.00500	< 0.00500	0.0562	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).
H: Sample was prepped or analyzed beyond the specified holding time

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 7. Data Summary Table - AP4-MW6

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026
	Units	Background Collection									Detection Monitoring ¹																
Appendix III																											
Boron, Total	mg/L	0.0862	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.11	< 0.100	< 0.100
Calcium, Total	mg/L	103	105	101	104	106	101	118	94.1	106	106	92.7	90.6	101	99.2	99.5	105	99.9	99	116	97.2	112	99.6	102	103	89.7	103
Chloride	mg/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	5.28	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	0.87	0.85	1.37	1.61	1.21	1.45	1.35	1.62	1.62	2.19	1.31	1.5	1.46	2.08	1.82	1.53	1.20	1.35	102	1.45	1.28	1.44	1.54	1.15	1.68	1.32
Field pH	pH units	6.92	7.21	7.46	7.19	7.11	7.21	7.35	7.33	7.16	7.40	7.32	7.63	7.22	7.49	7.20	7.16	7.17	7.15	7.20	7.04	6.91	7.07	6.97	6.94	6.97	7.08
Sulfate	mg/L	58.5	96.6	51.3	50.7	70.6	69.1	59.3	53.4	50	60.5	46.7	57.7	65.2	75.5	51.8	58.4	61.8	53.8	52.3	59.8	65.9	66.3	53	73.5	61.9	69.6
Total Dissolved Solids	mg/L	468	506	506	436	514	530	584	550	498	432	396	440	458	422	454	414	414	402	382	394	428	438	428	470	442	456
Appendix IV																											
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.0725	0.0611	0.0622	0.0589	0.0605	0.0629	0.0672	0.0568	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	0.869	0.845	1.37	1.61	1.21	1.45	1.35	1.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00329	0.0039	0.00393	0.00344	0.00281	0.00397	0.00455	0.00411	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.287 ± 0.0872	0.232 ± 0.0917	0.227 ± 0.0771	0.261 ± 0.073	0.361 ± 0.113	0.545 ± 0.358	0.163 ± 0.0907	0.17 ± 0.0861	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	0.983 ± 0.307	0.766 ± 0.31	0.672 ± 0.243	0.699 ± 0.279	1.27 ± 0.439	0.735 ± 0.378	0.451 ± 0.245	0.752 ± 0.244	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	1.27 ± 0.319	0.998 ± 0.323	0.899 ± 0.254	0.961 ± 0.288	1.63 ± 0.454	1.28 ± 0.521	0.614 ± 0.261	0.921 ± 0.259	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0103	0.00883	0.0109	0.00974	0.00984	0.0098	0.0112	0.0104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 8 - Sheldon Station Ash Landfill No. 4
Groundwater Levels (ft amsl)

Sample Period	Upgradient Wells			Downgradient Wells			
	AP4-MW1	AP4-MW2	AP4-MW7	AP4-MW3	AP4-MW4	AP4-MW5	AP4-MW6
MP Elev.	1425.95	1445.03	1424.29	1411.72	1396.10	1403.10	1386.61
QTR-2002-4	1410.90	1422.78	1401.53	1392.14	1375.99	1385.78	1374.15
QTR-2003-1	1409.36	1421.35	1399.28	1390.20	1374.01	1383.07	1374.06
QTR-2003-2	1412.99	1421.11	1398.78	1396.11	1376.52	1387.68	1376.90
QTR-2003-3	1411.22	1421.87	1401.34	1390.91	1372.66	1382.35	1369.46
QTR-2003-4	1410.02	1422.24	1401.38	1390.31	1373.48	1382.30	1369.10
QTR-2004-1	1411.81	1420.78	1398.98	1393.01	1377.92	1384.12	1377.59
QTR-2004-2	1412.04	1420.72	1400.70	1394.77	1375.64	1383.75	1374.83
QTR-2004-3	1411.24	1421.22	1408.14	1393.89	1375.55	1384.18	1373.85
QTR-2004-4	1409.40	1421.39	1407.23	1391.65	1373.40	1381.88	1374.65
QTR-2005-1	1409.32	1420.12	1401.20	1390.66	1372.78	1381.29	1374.62
QTR-2005-2	1410.36	1419.77	1399.82	1388.86	1372.63	1381.27	1374.55
QTR-2005-3							
QTR-2005-4	1407.83	1419.58	1399.32	1387.67	1372.52	1380.80	1369.44
QTR-2006-1	1406.35	1418.91	1397.99	1387.02	1372.42	1380.15	1371.76
QTR-2006-2	1408.37	1418.43	1397.48	1387.52	1372.42	1383.05	1372.36
QTR-2006-3	1403.26	1417.13	1399.99	1386.38	1372.30	1379.83	1370.22
QTR-2006-4	1404.91	1419.42	1399.89	1386.32	1372.25	1380.51	1369.90
QTR-2007-1	1407.21	1417.13	1397.74	1390.63	1372.89	1382.85	1374.67
QTR-2007-3	1409.61	1417.42	1409.74	1391.60	1373.85	1382.19	1370.84
QTR-2008-2	1415.33	1417.33	1414.16	1406.98	1385.69	1395.04	1379.15
QTR-2008-3	1412.64	1418.64	1413.10	1393.61	1376.05	1385.14	1373.43
QTR-2009-2	1409.86	1417.98	1403.78	1390.72	1374.15	1381.58	1374.49
QTR-2009-3	1408.87	1417.88	1407.03	1389.01	1372.47	1380.60	1370.31
QTR-2010-2	1413.98	1418.11	1414.59	1405.12	1381.85	1390.80	1375.51
QTR-2010-3	1411.22	1419.23	1413.39	1392.72	1374.81	1383.50	1374.39
QTR-2011-2	1409.32	1418.12	1403.83	1389.92	1374.80	1382.48	1374.55
QTR-2011-3	1411.24	1418.58	1411.18	1391.87	1373.60	1382.88	1373.56
QTR-2012-2	1412.85	1418.13	1413.29	1399.77	1377.74	1388.74	1375.41
QTR-2012-3	1408.70	1418.58	1410.77	1390.03	1372.72	1381.35	1369.47
QTR-2013-2	1411.47	1416.93	1402.57	1391.01	1375.34	1388.23	1375.31
QTR-2013-4	1410.46	1417.32	1407.27	1391.21	1373.05	1382.79	1370.11
QTR-2014-2	1407.80	1416.98	1400.05	1387.42	1372.03	1383.19	1374.23
QTR-2014-4	1407.74	1417.08	1404.99	1387.30	1372.10	1381.27	1371.75
QTR-2015-2	1412.00	1415.13	1409.78	1405.17	1379.63	1394.50	1375.75
QTR-2015-3	1412.05	1418.38	1412.67	1393.87	1376.77	1386.49	1371.86
QTR-2015-4	1410.50	1418.89	1408.79	1391.46	1374.49	1383.76	1372.41
QTR-2016-1	1412.60	1420.38	1405.38	1394.97	1377.65	1387.59	1374.66
QTR-2016-2	1414.94	1418.83	1410.62	1406.92	1384.72	1395.85	1376.79
QTR-2016-3	1412.06	1419.51	1414.29	1393.22	1375.65	1386.20	1373.11
QTR-2016-4	1410.10	1419.93	1408.39	1390.81	1373.60	1382.98	1372.41
QTR-2017-1	1408.24	1419.54	1403.49	1389.29	1372.83	1381.40	1373.83
QTR-2017-2	1410.15	1419.00	1402.41	1389.52	1373.35	1386.96	1373.96
QTR-2017-3	1410.40	1419.35	1409.31	1392.04	1372.70	1383.00	1372.12
QTR-2018-1	1408.01	1418.76	1402.92	1389.65	1372.37	1381.38	1374.21
QTR-2018-3	1410.46	1417.88	1410.27	1397.84	1375.90	1389.87	1374.85
QTR-2019-1	1413.80	1418.53	1411.27	1400.72	1383.19	1391.10	1377.89
QTR-2019-3	1412.07	1422.34	1415.12	1399.14	1377.58	1390.40	1374.46
QTR-2020-1	1414.38	1424.75	1411.49	1399.62	1378.73	1390.27	1374.60
QTR-2020-2	1414.67	1427.03	1415.83	1403.73	1380.90	1394.55	1375.70
QTR-2020-3	1411.10	1428.23	1414.78	1394.10	1375.29	1387.19	1373.30
QTR-2021-1	1410.62	1425.54	1405.72	1390.69	1375.14	1386.42	1374.19
QTR-2021-3	1410.46	1426.36	1412.38	1392.03	1373.93	1384.00	1371.92
QTR-2022-1	1408.46	1424.04	1404.24	1389.13	1372.69	1381.70	1373.66
QTR-2022-3	1408.65	1421.92	1408.57	1390.69	1371.45	1379.75	1370.26
QTR-2023-1	1405.85	1419.93	1400.39	1386.32	1370.00	1378.27	1369.80
QTR-2023-3	1405.35	1418.68	1398.38	1386.93	1370.75	1379.99	1370.86
QTR-2024-1	1405.43	1418.98	1397.63	1387.26	1372.18	1379.84	1370.80
QTR-2024-3	1405.25	1417.86	1398.27	1385.97	1371.45	1379.25	1369.31
QTR-2025-1	1404.17	1417.33	1397.82	1385.72	1371.62	1379.20	1371.86
QTR-2025-3	1403.80	1416.18	1395.70	1384.48	1371.22	1378.45	1370.71
QTR-2026-1	1403.30	*	1395.12	1384.37	1371.25	1378.60	1371.36
Mean	1409.78	1419.75	1405.36	1392.20	1374.71	1384.23	1373.19
SD	2.95	2.69	6.00	5.48	3.37	4.38	2.37
Maximum	1415.33	1428.23	1415.83	1406.98	1385.69	1395.85	1379.15
Minimum	1403.26	1415.13	1395.12	1384.37	1370.00	1378.27	1369.10
Range	12.07	13.10	20.71	22.61	15.69	17.58	10.05
Hydraulic Gradient				0.03			

MP = Measuring Point

MSL = Mean Sea Level (measured to nearest 0.01')

* = Water level below pump

Table 9: Comparative Statistics - AP4-MW1 (Upgradient)

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.200	< 0.100	--	Yes
Calcium, Total	mg/L	CUSUM	116.8	85.1	92.8	Yes
Chloride	mg/L	NP-PL	11.0	7.85	--	Yes
Fluoride	mg/L	CUSUM	1.82	< 1.00	0.74	Yes
pH, Field	pH units	CUSUM	6.44, 7.93	7.09	7.19, 7.19	Yes
Sulfate	mg/L	CUSUM	31.5	23.1	23.5	Yes
Total Dissolved Solids	mg/L	CUSUM	584	414	434	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 10: Comparative Statistics - AP4-MW2 (Upgradient)

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.200	< 0.100	--	Yes
Calcium, Total	mg/L	CUSUM	396	279	299	Yes
Chloride	mg/L	NP-PL	113.0	89.7	--	Yes
Fluoride	mg/L	NP-PL	1.00	< 1.00	--	Yes
pH, Field	pH units	CUSUM	6.56, 7.68	6.99	7.11, 7.12	Yes
Sulfate	mg/L	CUSUM	1063	911	940	Yes
Total Dissolved Solids	mg/L	NP-PL	2360	1580	--	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

See discussion of non-detect reporting for compliance results in the text.

Table 11: Comparative Statistics - AP4-MW7

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.200	< 0.100	--	Yes
Calcium, Total	mg/L	NP-PL	79.0	64.1	--	Yes
Chloride	mg/L	CUSUM	20.1	14.4	15.2	Yes
Fluoride	mg/L	NP-PL	1.02	< 1.00	--	Yes
pH, Field	pH units	CUSUM	6.57, 8.22	7.23	7.40, 7.40	Yes
Sulfate	mg/L	CUSUM	64.0	26.7	41.6	Yes
Total Dissolved Solids	mg/L	CUSUM	732	444	525	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 12: Comparative Statistics - AP4-MW3

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.200	< 0.100	--	Yes
Calcium, Total	mg/L	CUSUM	105.7	81.6	85.9	Yes
Chloride	mg/L	NP-PL	12.40	< 5.00	--	Yes
Fluoride	mg/L	CUSUM	2.14	1.22	1.13	Yes
pH, Field	pH units	CUSUM	6.66, 8.00	7.11	7.25, 7.33	Yes
Sulfate	mg/L	CUSUM	48.2	16.6	28.3	Yes
Total Dissolved Solids	mg/L	CUSUM	567	332	435	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 13: Comparative Statistics - AP4-MW4

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.200	< 0.100	--	Yes
Calcium, Total	mg/L	CUSUM	149	108	109	Yes
Chloride	mg/L	NP-PL	13.00	< 5.00	--	Yes
Fluoride	mg/L	CUSUM	1.80	1.04	0.94	Yes
pH, Field	pH units	CUSUM	6.49, 7.99	7.00	7.17, 7.22	Yes
Sulfate	mg/L	CUSUM	175	122	106	Yes
Total Dissolved Solids	mg/L	CUSUM	737	522	509	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 14: Comparative Statistics - AP4-MW5

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.400	0.124	--	Yes
Calcium, Total *	mg/L	CUSUM	947	363	426	Yes
Chloride	mg/L	NP-PL	10	6.53	--	Yes
Fluoride	mg/L	NP-PL	1.27	< 1.00	--	Yes
pH, Field	pH units	CUSUM	6.09, 7.71	6.72	6.88, 6.90	Yes
Sulfate *	mg/L	CUSUM	2340	1280	1310	Yes
Total Dissolved Solids	mg/L	CUSUM	3597	2300	2351	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

See discussion of non-detect reporting for compliance results in the text.

* Calcium and sulfate were determined to display seasonality baseline establishment. Data will be deseasonalized during comparative statistics, which may result in slightly different statistical limits from event to event.

Table 15: Comparative Statistics - AP4-MW6

		Statistical Method	Statistical Limit	Q1 2026 Detection Monitoring Result	Q1 2026 CUSUM Value	Q1 2026 - Within Limit?
Appendix III Analytes	Unit			2/9/2026		
Boron, Total	mg/L	NP-PL	0.200	< 0.100	--	Yes
Calcium, Total	mg/L	CUSUM	128.3	103	102.5	Yes
Chloride	mg/L	NP-PL	5.28	< 5.00	--	Yes
Fluoride	mg/L	CUSUM	2.70	1.32	1.43	Yes
pH, Field	pH units	CUSUM	6.44, 7.95	7.08	7.19, 7.19	Yes
Sulfate *	mg/L	CUSUM	111.2	69.6	60.3	Yes
Total Dissolved Solids	mg/L	CUSUM	687	456	472	Yes

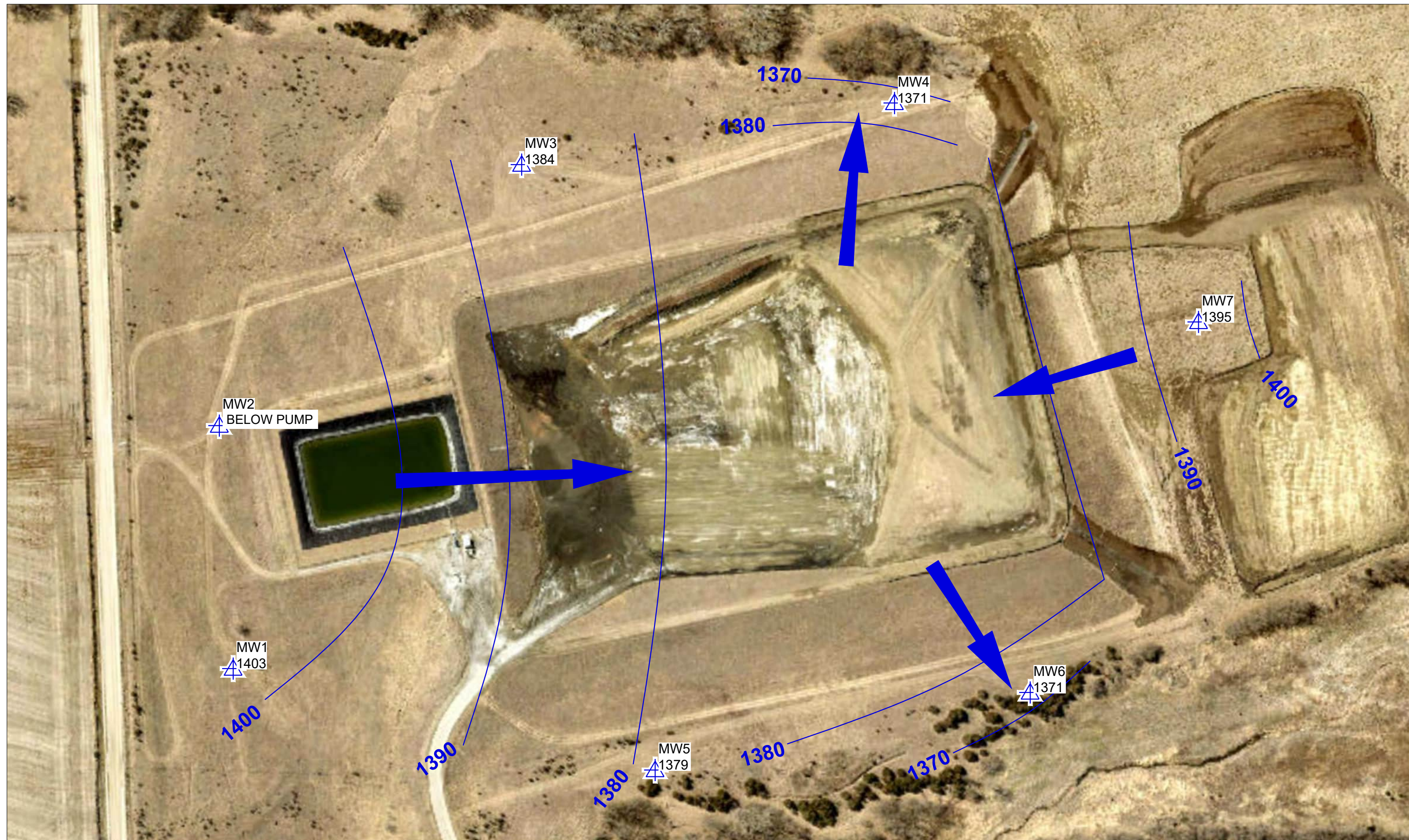
NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart establishment. Data will be deseasonalized during comparative statistics, which may result in slightly different statistical limits from event to event.

Figures

Path: \\wsp-pblan-net\USCentralData\USL\100\area\NPDP\Sheldahl\99_PROJECT\NPDP_SS_2026_GW_1_Files\Map_SS_GW_Maps_2026_01.dwg



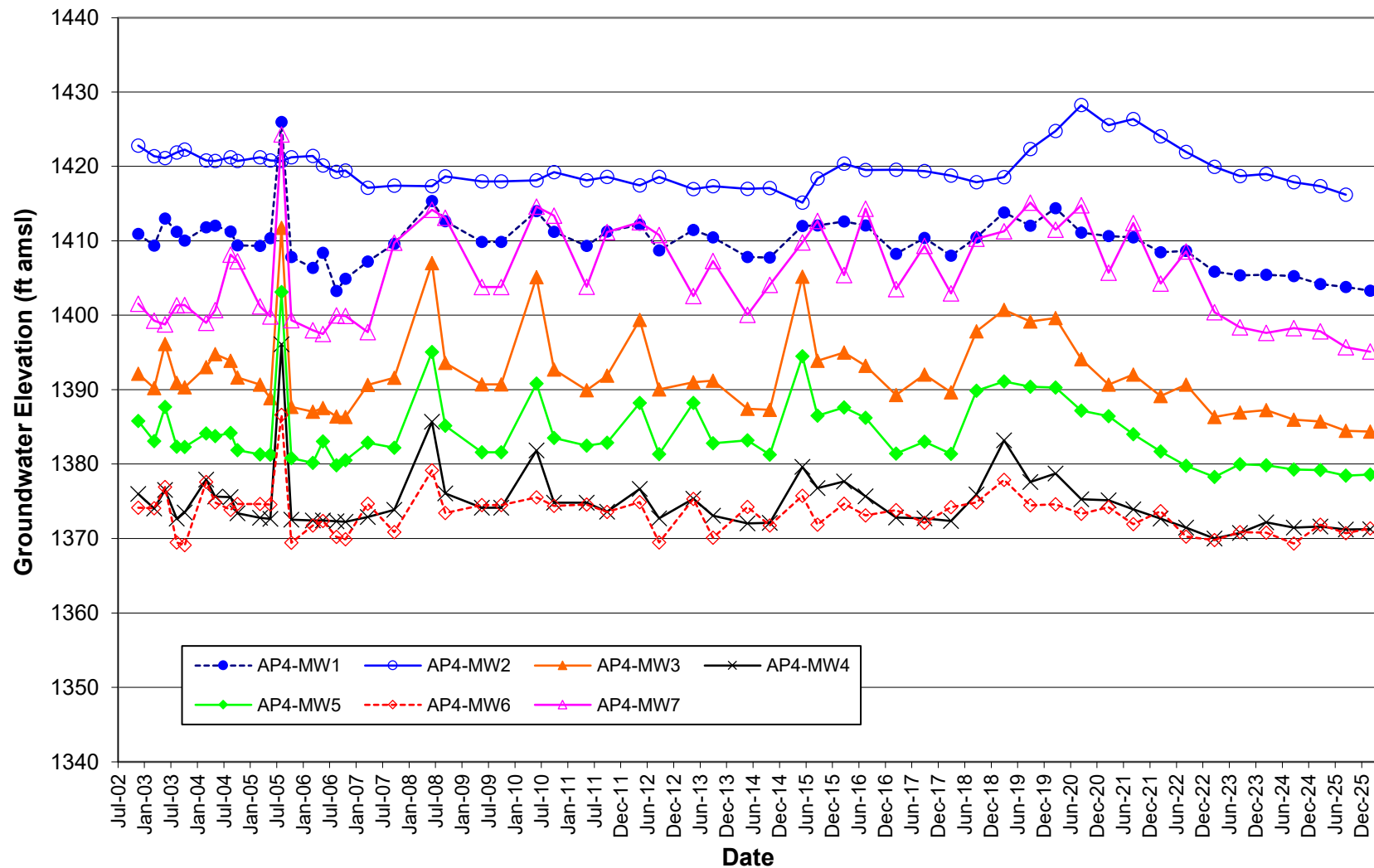
LEGEND
MW1 1405
MONITORING WELL
GROUNDWATER ELEVATION (ft AMSL)



0 75 150
1" = 150'
FEET

FIGURE 1
ASH LANDFILL NO. 4
GROUNDWATER CONTOURS
FEBRUARY 2026

FIGURE 2
Sheldon Station Ash Landfill No. 4
Groundwater Elevations



APPENDIX A

**Analytical Report and Chain-of-
Custody Documentation**



ANALYTICAL REPORT

PREPARED FOR

Attn: Todd A. Chinn
Nebraska Public Power District
4500 West Pella Road
Hallam, Nebraska 68368

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JOB DESCRIPTION

Sheldon Station Ash Landfill #4 CCR New

JOB NUMBER

310-325498-1

Eurofins Cedar Falls

Job Notes

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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Sample Summary	5
Detection Summary	6
Client Sample Results	8
Definitions	16
QC Sample Results	17
QC Association	19
Chronicle	21
Certification Summary	23
Method Summary	24
Chain of Custody	25
Receipt Checklists	27



Case Narrative

Client: Nebraska Public Power District
Project: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Job ID: 310-325498-1

Eurofins Cedar Falls

Job Narrative 310-325498-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/11/2026 7:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

HPLC/IC

Method 9056A: The following samples were diluted due to the nature of the sample matrix: AP-4-MW-1 (310-325498-1), AP-4-MW-2 (310-325498-2), AP-4-MW-3 (310-325498-3), AP-4-MW-4 (310-325498-4), AP-4-MW-5 (310-325498-5), AP-4-MW-6 (310-325498-6), AP-4-MW-7 (310-325498-7) and AP-4-MW Blind Duplicate (310-325498-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-325498-1	AP-4-MW-1	Water	02/09/26 10:45	02/11/26 07:35	Nebraska
310-325498-2	AP-4-MW-2	Water	02/09/26 11:21	02/11/26 07:35	Nebraska
310-325498-3	AP-4-MW-3	Water	02/09/26 12:12	02/11/26 07:35	Nebraska
310-325498-4	AP-4-MW-4	Water	02/09/26 13:46	02/11/26 07:35	Nebraska
310-325498-5	AP-4-MW-5	Water	02/09/26 17:05	02/11/26 07:35	Nebraska
310-325498-6	AP-4-MW-6	Water	02/09/26 16:25	02/11/26 07:35	Nebraska
310-325498-7	AP-4-MW-7	Water	02/09/26 14:24	02/11/26 07:35	Nebraska
310-325498-8	AP-4-MW Blind Duplicate	Water	02/09/26 00:00	02/11/26 07:35	Nebraska

Detection Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-1

Lab Sample ID: 310-325498-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.85		5.00		mg/L	5		9056A	Total/NA
Sulfate	23.1		5.00		mg/L	5		9056A	Total/NA
Calcium	85.1		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	414		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW-2

Lab Sample ID: 310-325498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	89.7		5.00		mg/L	5		9056A	Total/NA
Sulfate	911		20.0		mg/L	20		9056A	Total/NA
Calcium	279		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	1580		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW-3

Lab Sample ID: 310-325498-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	16.6		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.22		1.00		mg/L	5		9056A	Total/NA
Calcium	81.6		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	332		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW-4

Lab Sample ID: 310-325498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	122		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.04		1.00		mg/L	5		9056A	Total/NA
Calcium	108		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	522		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW-5

Lab Sample ID: 310-325498-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.53		5.00		mg/L	5		9056A	Total/NA
Sulfate	1280		20.0		mg/L	20		9056A	Total/NA
Boron	0.124		0.100		mg/L	1		6020B	Total/NA
Calcium	363		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	2300		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.1	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW-6

Lab Sample ID: 310-325498-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	69.6		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.32		1.00		mg/L	5		9056A	Total/NA
Calcium	103		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	456		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.3	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-7

Lab Sample ID: 310-325498-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14.4		5.00		mg/L	5		9056A	Total/NA
Sulfate	26.7		5.00		mg/L	5		9056A	Total/NA
Calcium	64.1		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	444		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW Blind Duplicate

Lab Sample ID: 310-325498-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	109		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.04		1.00		mg/L	5		9056A	Total/NA
Calcium	114		0.500		mg/L	1		6020B	Total/NA
Total Dissolved Solids	508		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-1

Lab Sample ID: 310-325498-1

Date Collected: 02/09/26 10:45

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.85		5.00		mg/L			02/16/26 13:51	5
Sulfate	23.1		5.00		mg/L			02/16/26 13:51	5
Fluoride	<1.00		1.00		mg/L			02/16/26 13:51	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 14:43	1
Calcium	85.1		0.500		mg/L		02/12/26 08:00	02/16/26 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	414		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/11/26 07:52	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-2

Lab Sample ID: 310-325498-2

Date Collected: 02/09/26 11:21

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.7		5.00		mg/L			02/16/26 14:57	5
Sulfate	911		20.0		mg/L			02/16/26 18:52	20
Fluoride	<1.00		1.00		mg/L			02/16/26 14:57	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 14:46	1
Calcium	279		0.500		mg/L		02/12/26 08:00	02/16/26 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1580		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/11/26 07:53	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-3

Lab Sample ID: 310-325498-3

Date Collected: 02/09/26 12:12

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			02/16/26 15:10	5
Sulfate	16.6		5.00		mg/L			02/16/26 15:10	5
Fluoride	1.22		1.00		mg/L			02/16/26 15:10	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 14:48	1
Calcium	81.6		0.500		mg/L		02/12/26 08:00	02/16/26 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	332		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/11/26 07:54	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-4

Lab Sample ID: 310-325498-4

Date Collected: 02/09/26 13:46

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			02/16/26 15:23	5
Sulfate	122		5.00		mg/L			02/16/26 15:23	5
Fluoride	1.04		1.00		mg/L			02/16/26 15:23	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 14:51	1
Calcium	108		0.500		mg/L		02/12/26 08:00	02/16/26 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	522		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/11/26 07:55	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-5

Lab Sample ID: 310-325498-5

Date Collected: 02/09/26 17:05

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.53		5.00		mg/L			02/16/26 15:36	5
Sulfate	1280		20.0		mg/L			02/16/26 19:05	20
Fluoride	<1.00		1.00		mg/L			02/16/26 15:36	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.124		0.100		mg/L		02/12/26 08:00	02/16/26 14:53	1
Calcium	363		0.500		mg/L		02/12/26 08:00	02/16/26 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.1	HF	1.0		SU			02/11/26 07:56	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-6

Lab Sample ID: 310-325498-6

Date Collected: 02/09/26 16:25

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			02/16/26 15:49	5
Sulfate	69.6		5.00		mg/L			02/16/26 15:49	5
Fluoride	1.32		1.00		mg/L			02/16/26 15:49	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 14:56	1
Calcium	103		0.500		mg/L		02/12/26 08:00	02/16/26 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	456		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.3	HF	1.0		SU			02/11/26 07:57	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-7

Lab Sample ID: 310-325498-7

Date Collected: 02/09/26 14:24

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		5.00		mg/L			02/16/26 16:02	5
Sulfate	26.7		5.00		mg/L			02/16/26 16:02	5
Fluoride	<1.00		1.00		mg/L			02/16/26 16:02	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 15:01	1
Calcium	64.1		0.500		mg/L		02/12/26 08:00	02/16/26 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	444		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			02/11/26 07:58	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW Blind Duplicate

Lab Sample ID: 310-325498-8

Date Collected: 02/09/26 00:00

Matrix: Water

Date Received: 02/11/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			02/16/26 16:15	5
Sulfate	109		5.00		mg/L			02/16/26 16:15	5
Fluoride	1.04		1.00		mg/L			02/16/26 16:15	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 15:04	1
Calcium	114		0.500		mg/L		02/12/26 08:00	02/16/26 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	508		50.0		mg/L			02/13/26 10:53	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			02/11/26 07:59	1

Definitions/Glossary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-481098/3

Matrix: Water

Analysis Batch: 481098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00		1.00		mg/L			02/16/26 12:20	1
Sulfate	<1.00		1.00		mg/L			02/16/26 12:20	1
Fluoride	<0.200		0.200		mg/L			02/16/26 12:20	1

Lab Sample ID: LCS 310-481098/4

Matrix: Water

Analysis Batch: 481098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.955		mg/L		100	90 - 110
Sulfate	10.0	10.05		mg/L		101	90 - 110
Fluoride	2.00	2.168		mg/L		108	90 - 110

Lab Sample ID: 310-325498-1 MS

Matrix: Water

Analysis Batch: 481098

Client Sample ID: AP-4-MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.85		25.0	30.45		mg/L		90	80 - 120
Sulfate	23.1		25.0	48.88		mg/L		103	80 - 120
Fluoride	<1.00		5.00	6.005		mg/L		104	80 - 120

Lab Sample ID: 310-325498-1 MSD

Matrix: Water

Analysis Batch: 481098

Client Sample ID: AP-4-MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.85		25.0	30.45		mg/L		90	80 - 120	0	15
Sulfate	23.1		25.0	48.18		mg/L		100	80 - 120	1	15
Fluoride	<1.00		5.00	6.007		mg/L		104	80 - 120	0	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-480625/1-A

Matrix: Water

Analysis Batch: 481018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 480625

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.100		0.100		mg/L		02/12/26 08:00	02/16/26 14:12	1
Calcium	<0.500		0.500		mg/L		02/12/26 08:00	02/16/26 14:12	1

Lab Sample ID: LCS 310-480625/2-A

Matrix: Water

Analysis Batch: 481018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 480625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.200	0.1765		mg/L		88	80 - 120
Calcium	2.00	1.706		mg/L		85	80 - 120

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QC Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-325498-6 DU

Matrix: Water

Analysis Batch: 481018

Client Sample ID: AP-4-MW-6

Prep Type: Total/NA

Prep Batch: 480625

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	<0.100		<0.100		mg/L		NC	20
Calcium	103		96.41		mg/L		7	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 310-480852/1

Matrix: Water

Analysis Batch: 480852

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<50.0		50.0		mg/L			02/13/26 10:53	1

Lab Sample ID: LCS 310-480852/2

Matrix: Water

Analysis Batch: 480852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	926.0		mg/L		93	89 - 110

Lab Sample ID: 310-325498-1 DU

Matrix: Water

Analysis Batch: 480852

Client Sample ID: AP-4-MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	414		402.0		mg/L		3	13

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 310-480546/1

Matrix: Water

Analysis Batch: 480546

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98 - 102

QC Association Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

HPLC/IC

Analysis Batch: 481098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-325498-1	AP-4-MW-1	Total/NA	Water	9056A	
310-325498-2	AP-4-MW-2	Total/NA	Water	9056A	
310-325498-2	AP-4-MW-2	Total/NA	Water	9056A	
310-325498-3	AP-4-MW-3	Total/NA	Water	9056A	
310-325498-4	AP-4-MW-4	Total/NA	Water	9056A	
310-325498-5	AP-4-MW-5	Total/NA	Water	9056A	
310-325498-5	AP-4-MW-5	Total/NA	Water	9056A	
310-325498-6	AP-4-MW-6	Total/NA	Water	9056A	
310-325498-7	AP-4-MW-7	Total/NA	Water	9056A	
310-325498-8	AP-4-MW Blind Duplicate	Total/NA	Water	9056A	
MB 310-481098/3	Method Blank	Total/NA	Water	9056A	
LCS 310-481098/4	Lab Control Sample	Total/NA	Water	9056A	
310-325498-1 MS	AP-4-MW-1	Total/NA	Water	9056A	
310-325498-1 MSD	AP-4-MW-1	Total/NA	Water	9056A	

Metals

Prep Batch: 480625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-325498-1	AP-4-MW-1	Total/NA	Water	3005A	
310-325498-2	AP-4-MW-2	Total/NA	Water	3005A	
310-325498-3	AP-4-MW-3	Total/NA	Water	3005A	
310-325498-4	AP-4-MW-4	Total/NA	Water	3005A	
310-325498-5	AP-4-MW-5	Total/NA	Water	3005A	
310-325498-6	AP-4-MW-6	Total/NA	Water	3005A	
310-325498-7	AP-4-MW-7	Total/NA	Water	3005A	
310-325498-8	AP-4-MW Blind Duplicate	Total/NA	Water	3005A	
MB 310-480625/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-480625/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-325498-6 DU	AP-4-MW-6	Total/NA	Water	3005A	

Analysis Batch: 481018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-325498-1	AP-4-MW-1	Total/NA	Water	6020B	480625
310-325498-2	AP-4-MW-2	Total/NA	Water	6020B	480625
310-325498-3	AP-4-MW-3	Total/NA	Water	6020B	480625
310-325498-4	AP-4-MW-4	Total/NA	Water	6020B	480625
310-325498-5	AP-4-MW-5	Total/NA	Water	6020B	480625
310-325498-6	AP-4-MW-6	Total/NA	Water	6020B	480625
310-325498-7	AP-4-MW-7	Total/NA	Water	6020B	480625
310-325498-8	AP-4-MW Blind Duplicate	Total/NA	Water	6020B	480625
MB 310-480625/1-A	Method Blank	Total/NA	Water	6020B	480625
LCS 310-480625/2-A	Lab Control Sample	Total/NA	Water	6020B	480625
310-325498-6 DU	AP-4-MW-6	Total/NA	Water	6020B	480625

General Chemistry

Analysis Batch: 480546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-325498-1	AP-4-MW-1	Total/NA	Water	SM 4500 H+ B	
310-325498-2	AP-4-MW-2	Total/NA	Water	SM 4500 H+ B	
310-325498-3	AP-4-MW-3	Total/NA	Water	SM 4500 H+ B	

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QC Association Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

General Chemistry (Continued)

Analysis Batch: 480546 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-325498-4	AP-4-MW-4	Total/NA	Water	SM 4500 H+ B	
310-325498-5	AP-4-MW-5	Total/NA	Water	SM 4500 H+ B	
310-325498-6	AP-4-MW-6	Total/NA	Water	SM 4500 H+ B	
310-325498-7	AP-4-MW-7	Total/NA	Water	SM 4500 H+ B	
310-325498-8	AP-4-MW Blind Duplicate	Total/NA	Water	SM 4500 H+ B	
LCS 310-480546/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 480852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-325498-1	AP-4-MW-1	Total/NA	Water	SM 2540C	
310-325498-2	AP-4-MW-2	Total/NA	Water	SM 2540C	
310-325498-3	AP-4-MW-3	Total/NA	Water	SM 2540C	
310-325498-4	AP-4-MW-4	Total/NA	Water	SM 2540C	
310-325498-5	AP-4-MW-5	Total/NA	Water	SM 2540C	
310-325498-6	AP-4-MW-6	Total/NA	Water	SM 2540C	
310-325498-7	AP-4-MW-7	Total/NA	Water	SM 2540C	
310-325498-8	AP-4-MW Blind Duplicate	Total/NA	Water	SM 2540C	
MB 310-480852/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-480852/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-325498-1 DU	AP-4-MW-1	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-1

Lab Sample ID: 310-325498-1

Date Collected: 02/09/26 10:45

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 13:51
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 14:43
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:52

Client Sample ID: AP-4-MW-2

Lab Sample ID: 310-325498-2

Date Collected: 02/09/26 11:21

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 14:57
Total/NA	Analysis	9056A		20	481098	ZRI4	EET CF	02/16/26 18:52
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 14:46
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:53

Client Sample ID: AP-4-MW-3

Lab Sample ID: 310-325498-3

Date Collected: 02/09/26 12:12

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 15:10
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 14:48
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:54

Client Sample ID: AP-4-MW-4

Lab Sample ID: 310-325498-4

Date Collected: 02/09/26 13:46

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 15:23
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 14:51
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:55

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Lab Chronicle

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Client Sample ID: AP-4-MW-5

Lab Sample ID: 310-325498-5

Date Collected: 02/09/26 17:05

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 15:36
Total/NA	Analysis	9056A		20	481098	ZRI4	EET CF	02/16/26 19:05
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 14:53
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:56

Client Sample ID: AP-4-MW-6

Lab Sample ID: 310-325498-6

Date Collected: 02/09/26 16:25

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 15:49
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 14:56
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:57

Client Sample ID: AP-4-MW-7

Lab Sample ID: 310-325498-7

Date Collected: 02/09/26 14:24

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 16:02
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 15:01
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:58

Client Sample ID: AP-4-MW Blind Duplicate

Lab Sample ID: 310-325498-8

Date Collected: 02/09/26 00:00

Matrix: Water

Date Received: 02/11/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	481098	ZRI4	EET CF	02/16/26 16:15
Total/NA	Prep	3005A			480625	RLT9	EET CF	02/12/26 08:00
Total/NA	Analysis	6020B		1	481018	NFT2	EET CF	02/16/26 15:04
Total/NA	Analysis	SM 2540C		1	480852	TGN5	EET CF	02/13/26 10:53
Total/NA	Analysis	SM 4500 H+ B		1	480546	W9YR	EET CF	02/11/26 07:59

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Eurofins Cedar Falls

Accreditation/Certification Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	IA100001	09-29-26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station Ash Landfill #4 CCR New

Job ID: 310-325498-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 H+ B	pH	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

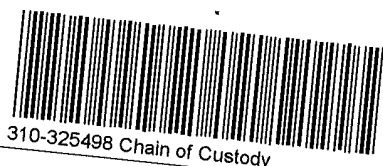
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Environment Testing
America



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Nebraska Public</u>			
City/State:	CITY	STATE	Project:
		<u>NE</u>	
Receipt Information			
Date/Time Received.	DATE	TIME	Received By
	<u>2/10/20</u>	<u>0735</u>	<u>[Signature]</u>
Delivery Type:	☒ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee		
	☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____		
Condition of Cooler/Containers			
Sample(s) received in Cooler?	☒ Yes ☐ No	If yes: Cooler ID. _____	
Multiple Coolers?	☐ Yes ☒ No	If yes: Cooler # _____ of _____	
Cooler Custody Seals Present?	☒ Yes ☐ No	If yes: Cooler custody seals intact? ☐ Yes ☐ No	
Sample Custody Seals Present?	☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☐ No	
Trip Blank Present?	☐ Yes ☐ No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant:	☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE		
Thermometer ID.	<u>00</u>	Correction Factor (°C): <u>0.0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>2.4</u>	Corrected Temp (°C): <u>2.4</u>	
• Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

ca Omaha SC
268

[illegible]

Login Sample Receipt Checklist

Client: Nebraska Public Power District

Job Number: 310-325498-1

SDG Number:

Login Number: 325498

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B

Field Notes

Page 1 of 1

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Page 1 of 1

Depth to 10.9 / 31.4 of screen
Top Bottom
Pump Intake at (ft. below MP) 29.9
Purging Device; (pump type) Micro Purge
Total Volume Purged 2000 ml

53°, Cloudy, 12mph from S.W.

[illegible]

WELL PURGING-FIELD QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) <u>NPPD SS Ash Landfill #4</u>										Depth to <u>10.5</u> / <u>35.5</u> of screen	
Well Number <u>AP4-MW3</u> Date <u>2-9-2026</u>										Top Bottom	
Field Personnel <u>Todd A. Dunn / Patricia Novak</u>										Pump Intake at (ft. below MP) <u>33.5</u>	
Sampling Organization <u>NPPD</u>										Purging Device; (pump type) <u>MicroPurge</u>	
Identify MP <u>Top of Casing</u>										Total Volume Purged <u>5500 L</u>	
Well Conditions/ Field Observations: <u>56°, Cloudy, 12 mph from SW</u>											
Clock Time 24hr	Water Depth below MP ft	Pump Dial Setting	Purge Rate mL/min	Cum. Volume Purged in milliliters	Temp C°	Specific Conductivity µmhos	pH MP-20	pH Lab Accumet	%DO	ORP mv	Comments
1133	27.35		102.5								Start Pump
1137			102.5		13.95	1069	7.22		100.6	134.7	Cells full
1142			102.5		13.73	624.1	7.13		41.2	131.5	
1147			102.5		14.17	596.4	7.09		13.4	128.8	
1152			102.5		14.35	594.8	7.09		18.4	125.8	
1157			102.5	2000	14.69	592.7	7.09		30.1	123.4	*Covered tube w/paper towel to cool tube
1202			102.5		14.52	592.3	7.11		46.4	120.9	
1207			102.5		14.20	591.9	7.13		56.9	117.9	
1212			102.5	2000	14.21	591.0	7.11		59.1	117.7	
											Sample #1 1000
											#2 250
											#3 250 nitric
1222	29.25										Done
											4000 mL / 39 min = 102.5

WELL PURGING-FIELD QUALITY MEASUREMENTS FORM

Page 1 of 1

Location (Site/Facility Name) NPPD SS Ash Landfill #4 Depth to 11.0 / 37.0 of screen
 Well Number AP4-M1024 Date 2-9-2026 Top Bottom
 Field Personnel Todd A. Chinn / Patricia Novak Pump Intake at (ft. below MP) 35.0
 Sampling Organization NPPD Purging Device; (pump type) MicroPurge
 Identify MP Top of Casing Total Volume Purged 7500 mL

Well Conditions/ Field Observations:

100° cloudy, 12 mph from SW

Clock Time 24hr	Water Depth below MP ft	Pump Dial Setting	Purge Rate mL/min	Cum. Volume Purged in milliliters	Temp C°	Specific Conductivity µmhos	pH MP-20	pH Lab Accumet	%DO	ORP mv	Comments
1232	24.85		76								Start Pump
1236			76		17.73	650.9	7.20		109.6	148.8	Cell is full
1241			76		14.38	1175	6.92		50.1	148.5	
1246			76		14.22	984.8	6.96		17.8	139.5	
1251			76		14.72	877.7	7.00		15.7	133.4	
1256			76		15.02	870.3	7.01		16.1	128.9	
1301			76								Changed to other Gas bottle
1306			76		15.62	875.0	7.01		16.1	122.5	
1311			76	2200	15.01	899.9	6.99		19.4	119.8	
1316			76		14.54	803.9	7.02		14.6	114.0	
1321			76		14.78	783.0	7.01		13.3	111.0	
1326			76		14.62	780.0	7.01		13.1	109.0	
1331			76	2000	14.62	778.0	7.00		15.4	107.1	Sample #1 1000 mL
				300							#2 250 mL
											#3 250 mL Nitric
											Blind #1 1000 mL
											#2 250 mL #3 250 mL Nitric
1346	27.45										Done

4500 mL / 59 min = 76.27

WELL PURGING-FIELD QUALITY MEASUREMENTS FORM

[illegible]

WELL PURGING-FIELD QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) NPPD SS Ash Landfill #4 Depth to 10.1 / 36.1 of screen
Well Number AP 4 - MW 6 Date 2-9-2026 Top Bottom
Field Personnel Todd A. Chinn / Patrice Novak Pump Intake at (ft. below MP) 34.1
Sampling Organization NPPD Purging Device; (pump type) Micro Purge
Identify MP Top of Casing Total Volume Purged 6200 mL

Well Conditions/ Field Observations:

66°, Cloudy, 14 mph from SE

[illegible]

Page 1 of 1

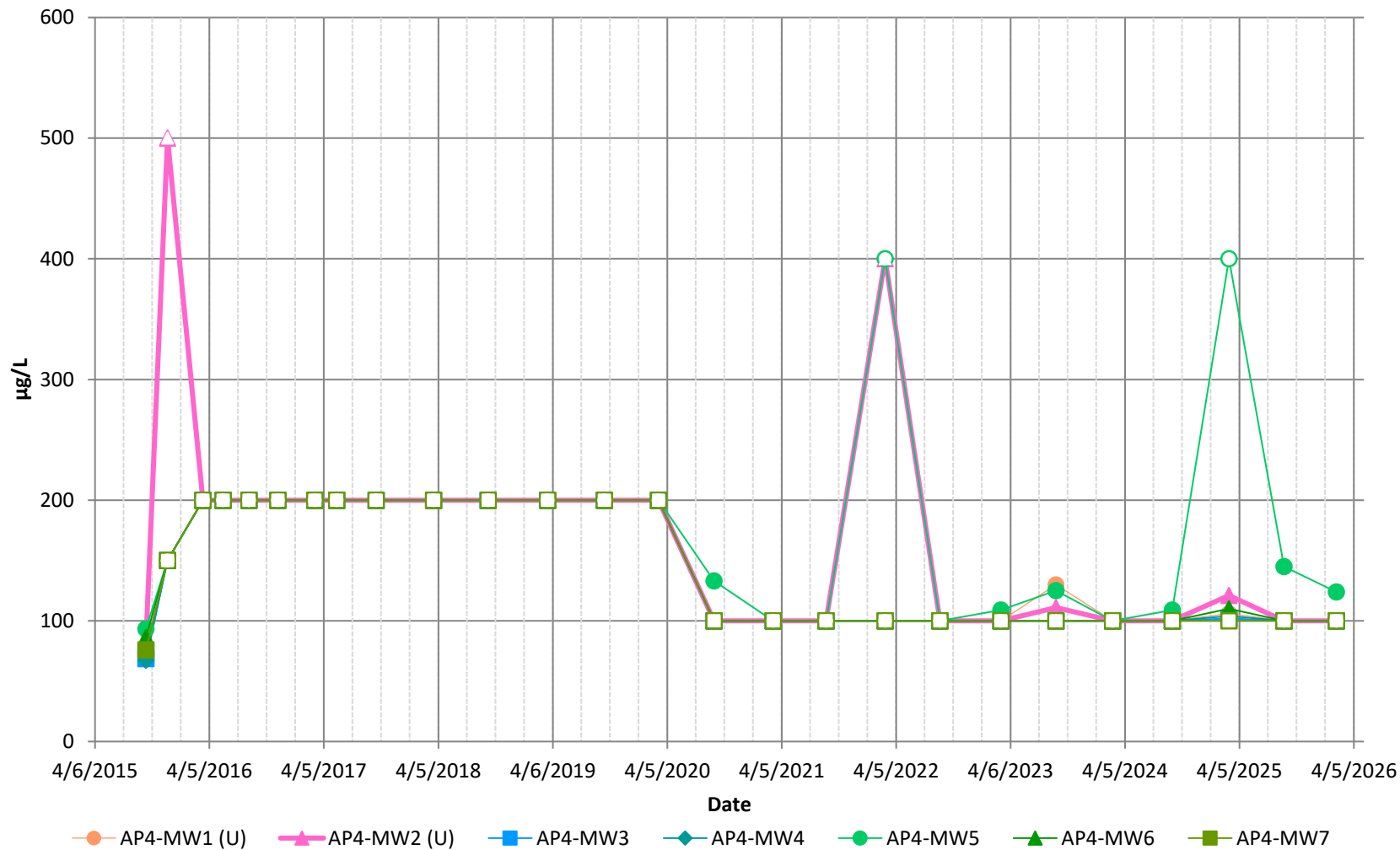
Depth to 10.5 / 33.5 of screen
 Top Bottom
 Pump Intake at (ft. below MP) 33.5
 Purging Device; (pump type) Micro Purge
 Total Volume Purged 3200 mL

64° cloudy, 13 mph from SW

[illegible]

APPENDIX C

Time Series Data

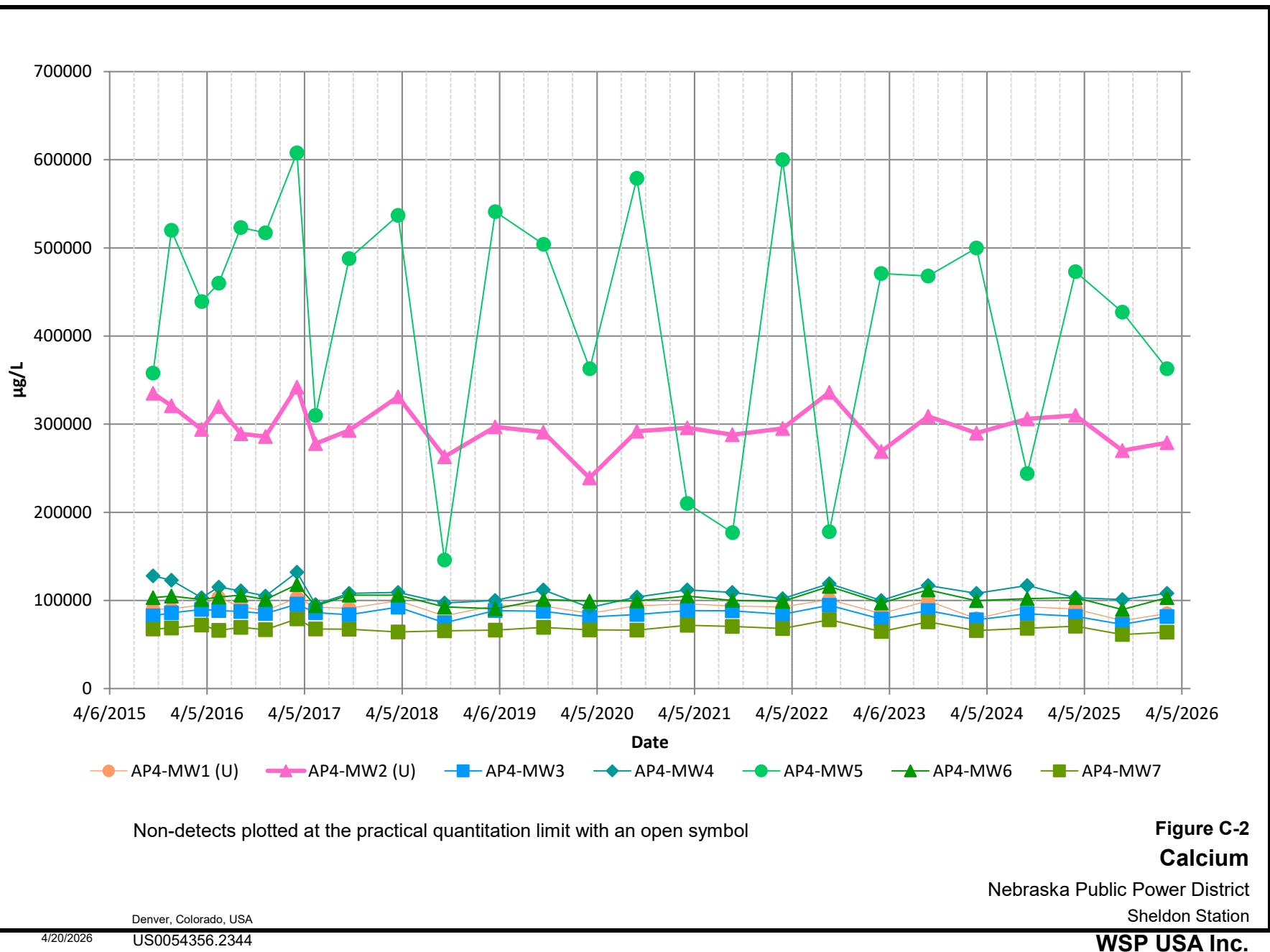


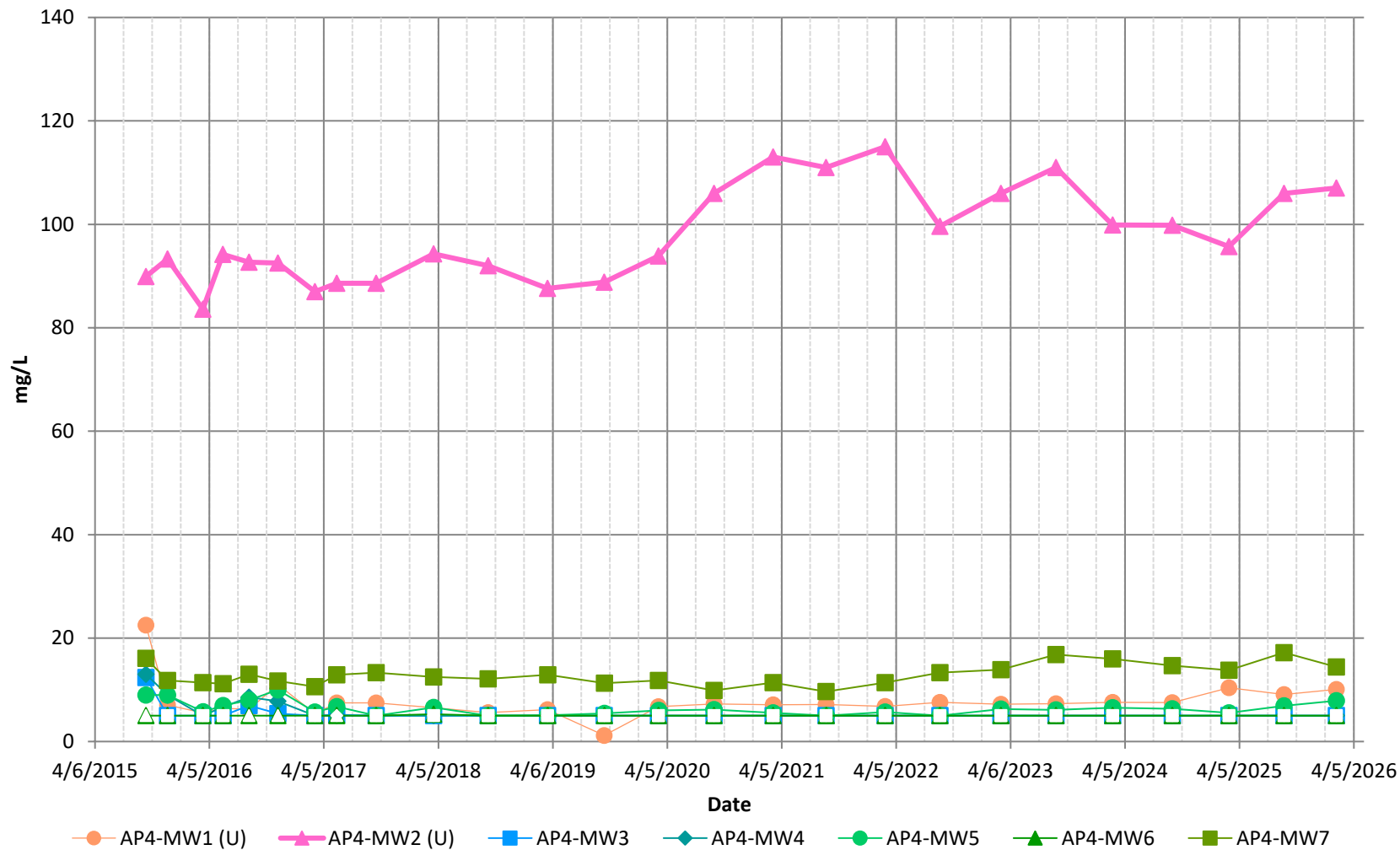
Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-1
Boron

Nebraska Public Power District
Sheldon Station

WSP USA Inc.



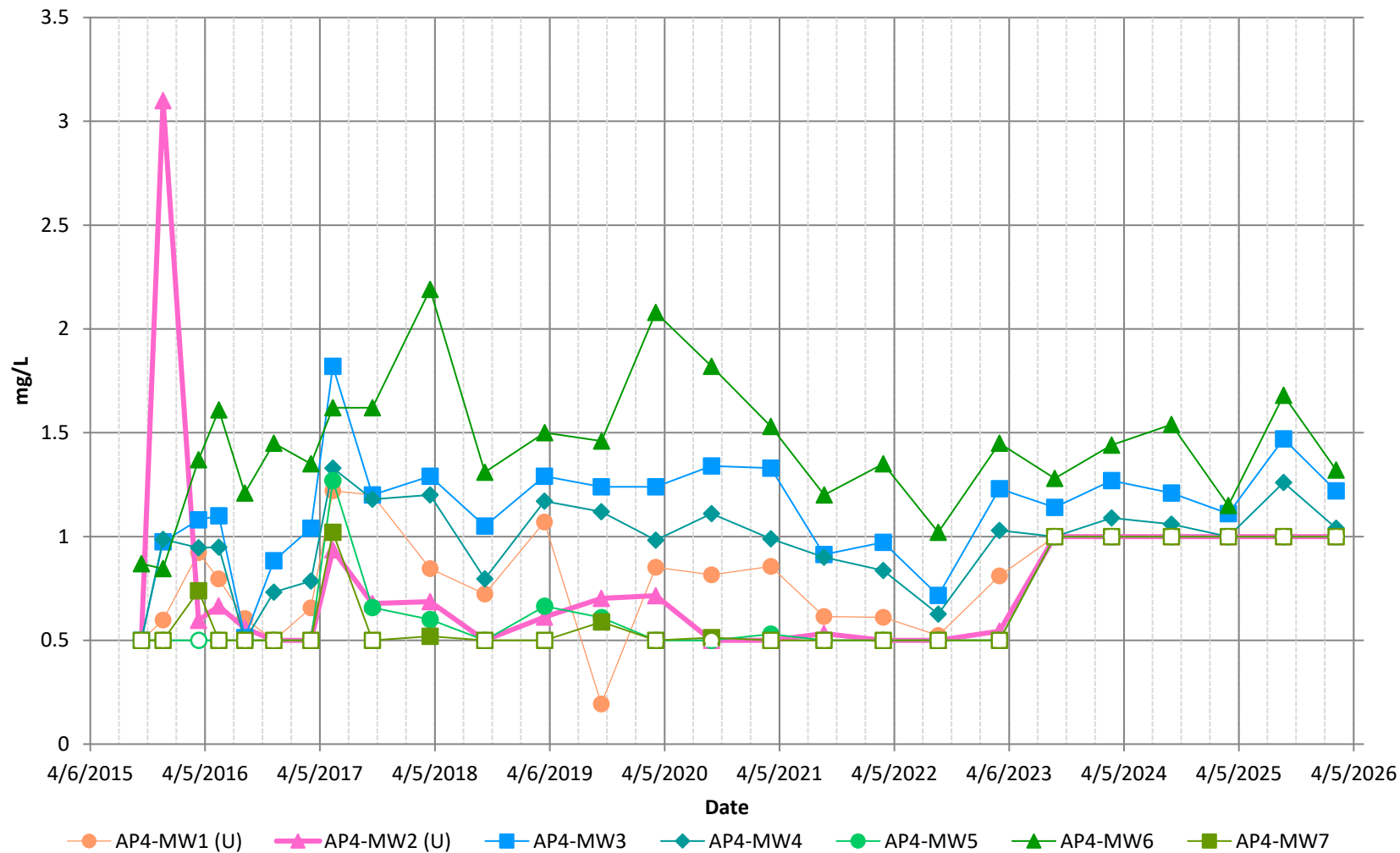


Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-3
Chloride

Nebraska Public Power District
Sheldon Station

WSP USA Inc.



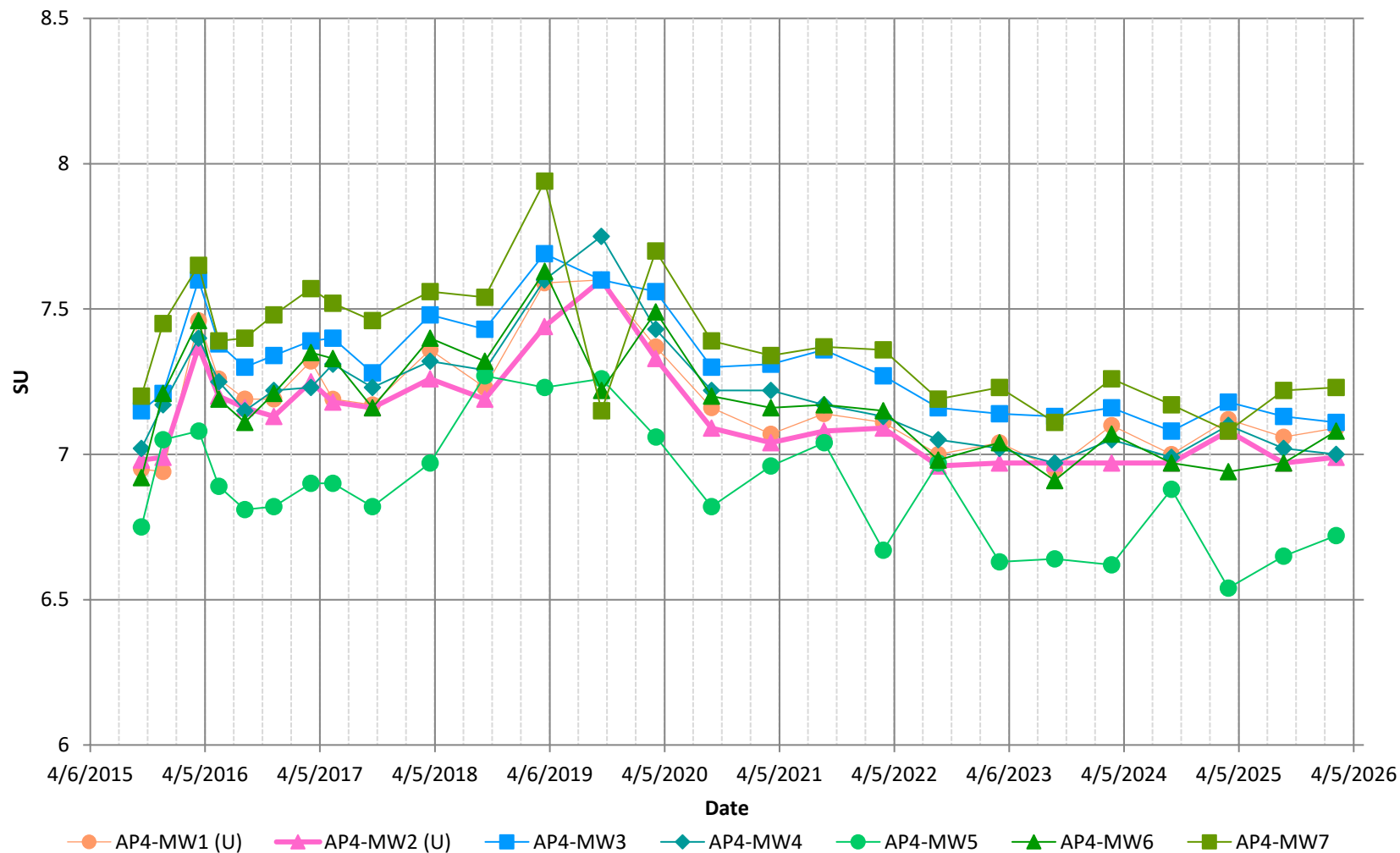
Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-4
Fluoride

Nebraska Public Power District
Sheldon Station

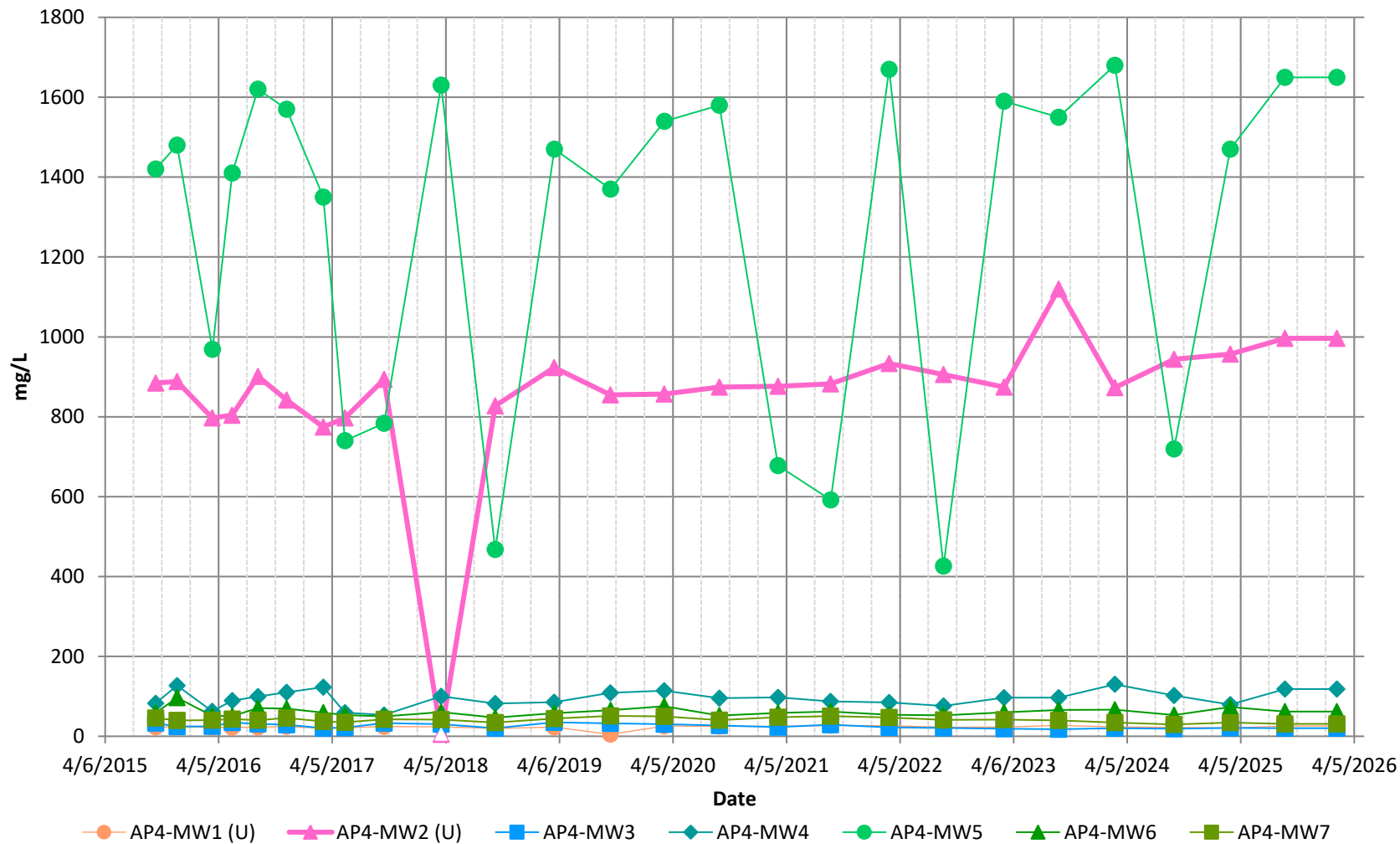
Denver, Colorado, USA
US0054356.2344

WSP USA Inc.



Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-5
pH, Field-Measured
 Nebraska Public Power District
 Sheldon Station
WSP USA Inc.



Non-detects plotted at the practical quantitation limit with an open symbol

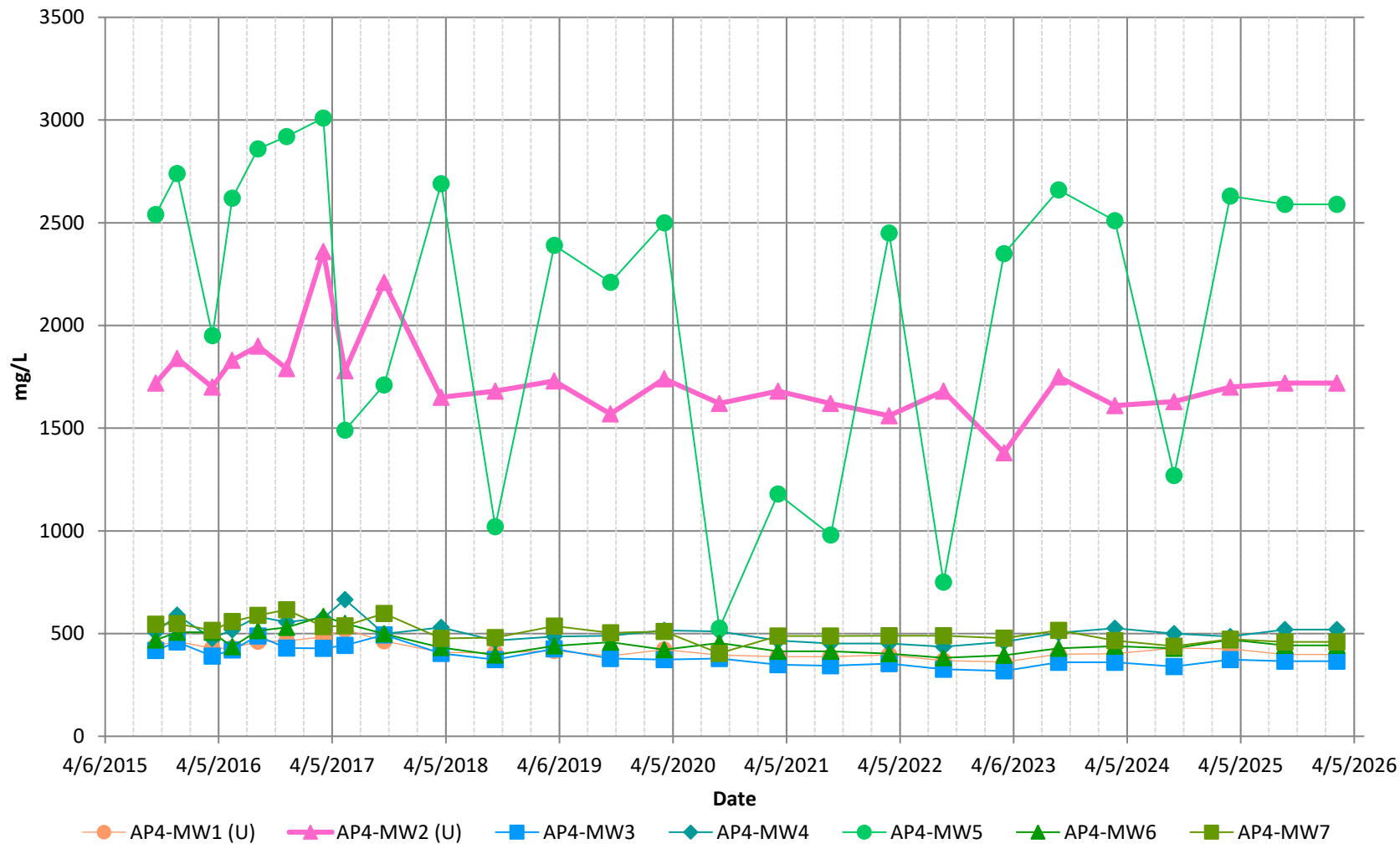
Figure C-6
Sulfate

Nebraska Public Power District
Sheldon Station

WSP USA Inc.

Denver, Colorado, USA
US0054356.2344

4/20/2026



Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-7
Total Dissolved Solids
Nebraska Public Power District
Sheldon Station

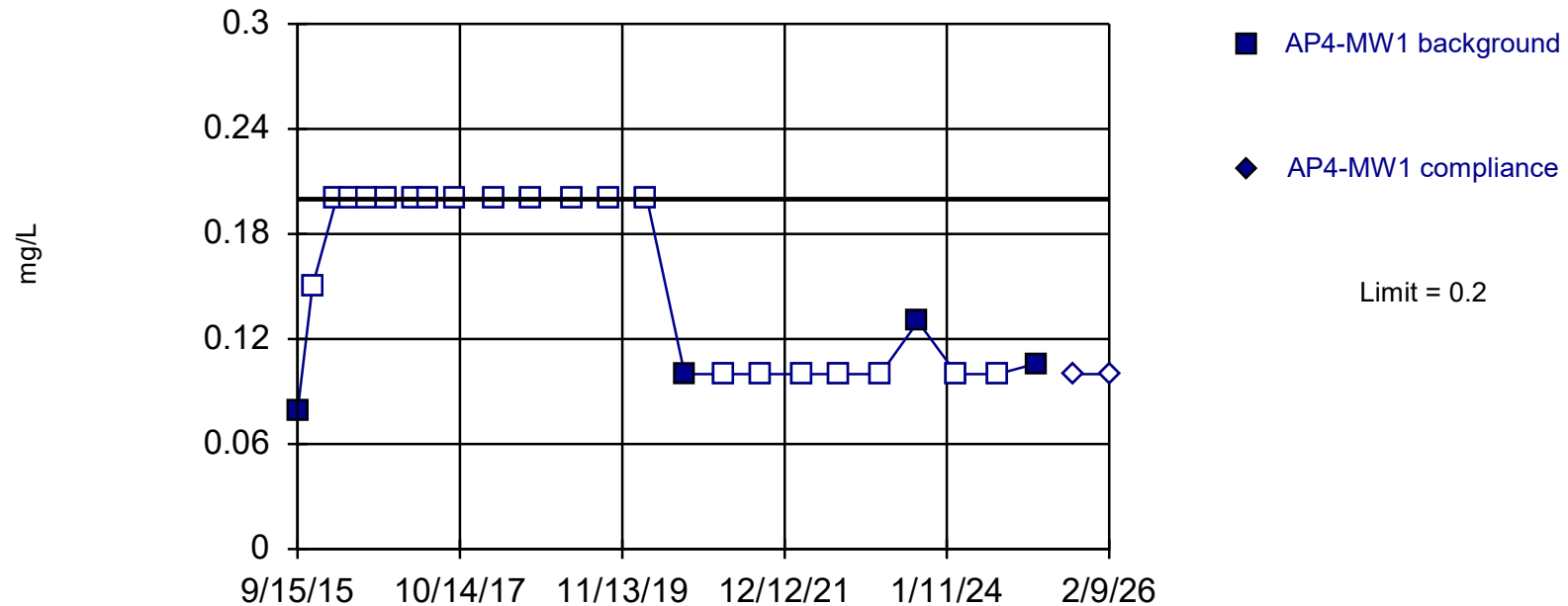
APPENDIX D

Comparative Statistical Analysis

Within Limit

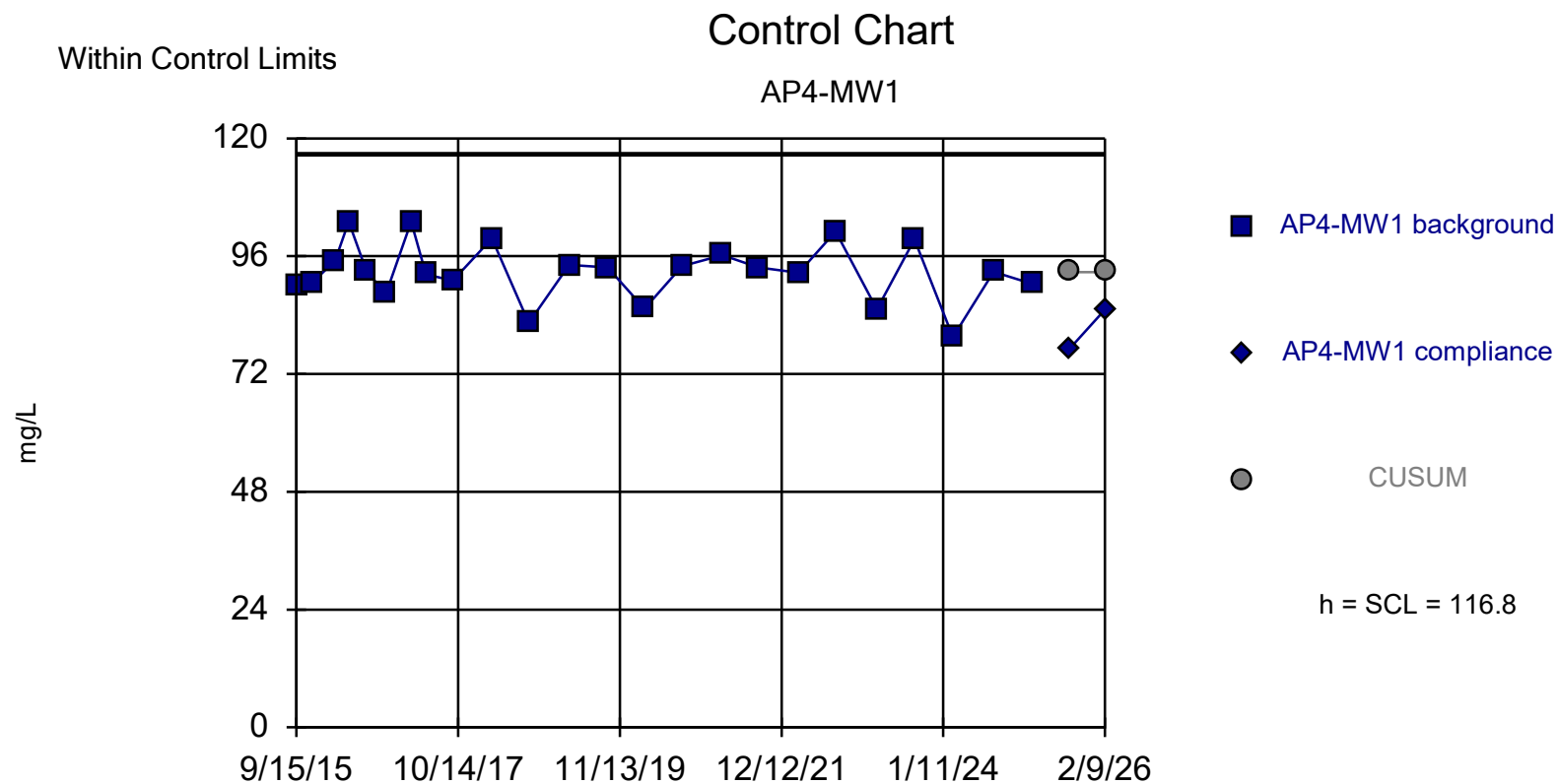
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 3/24/2026 1:45 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



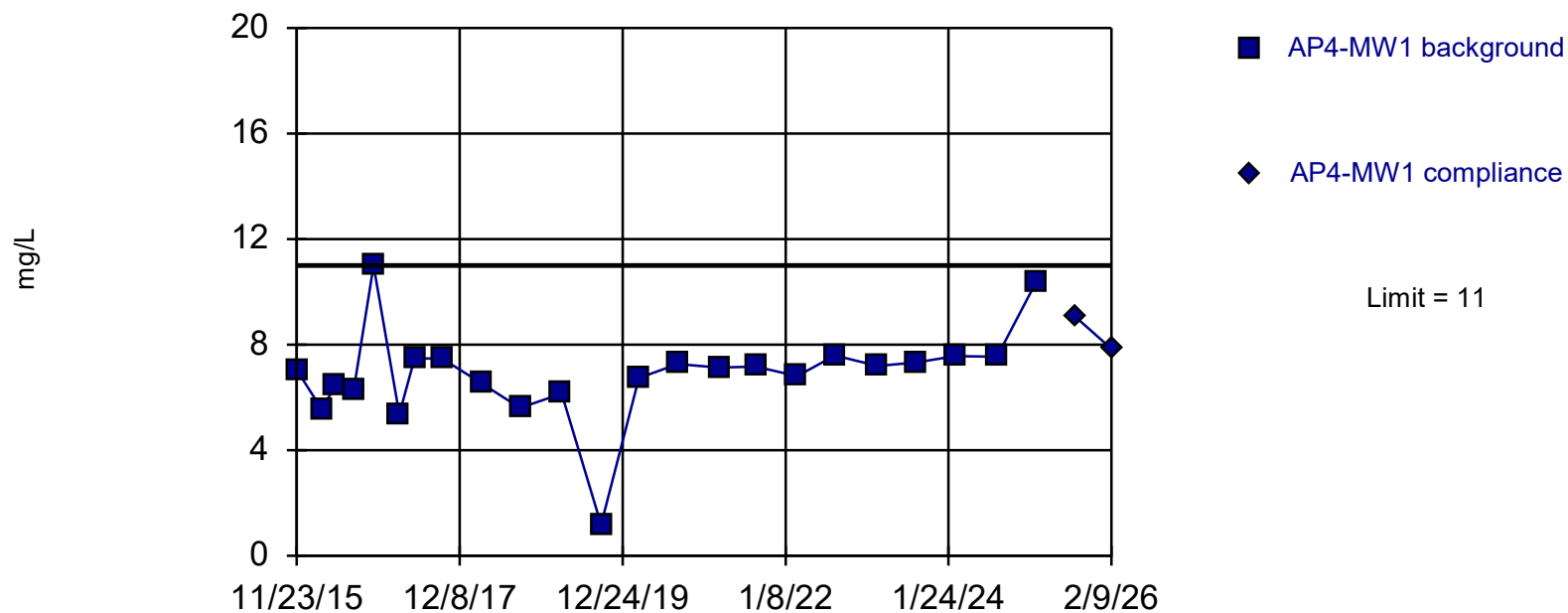
Background Data Summary: Mean=92.75, Std. Dev.=6.008, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9661, critical = 0.916. Report alpha = 0.000526. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

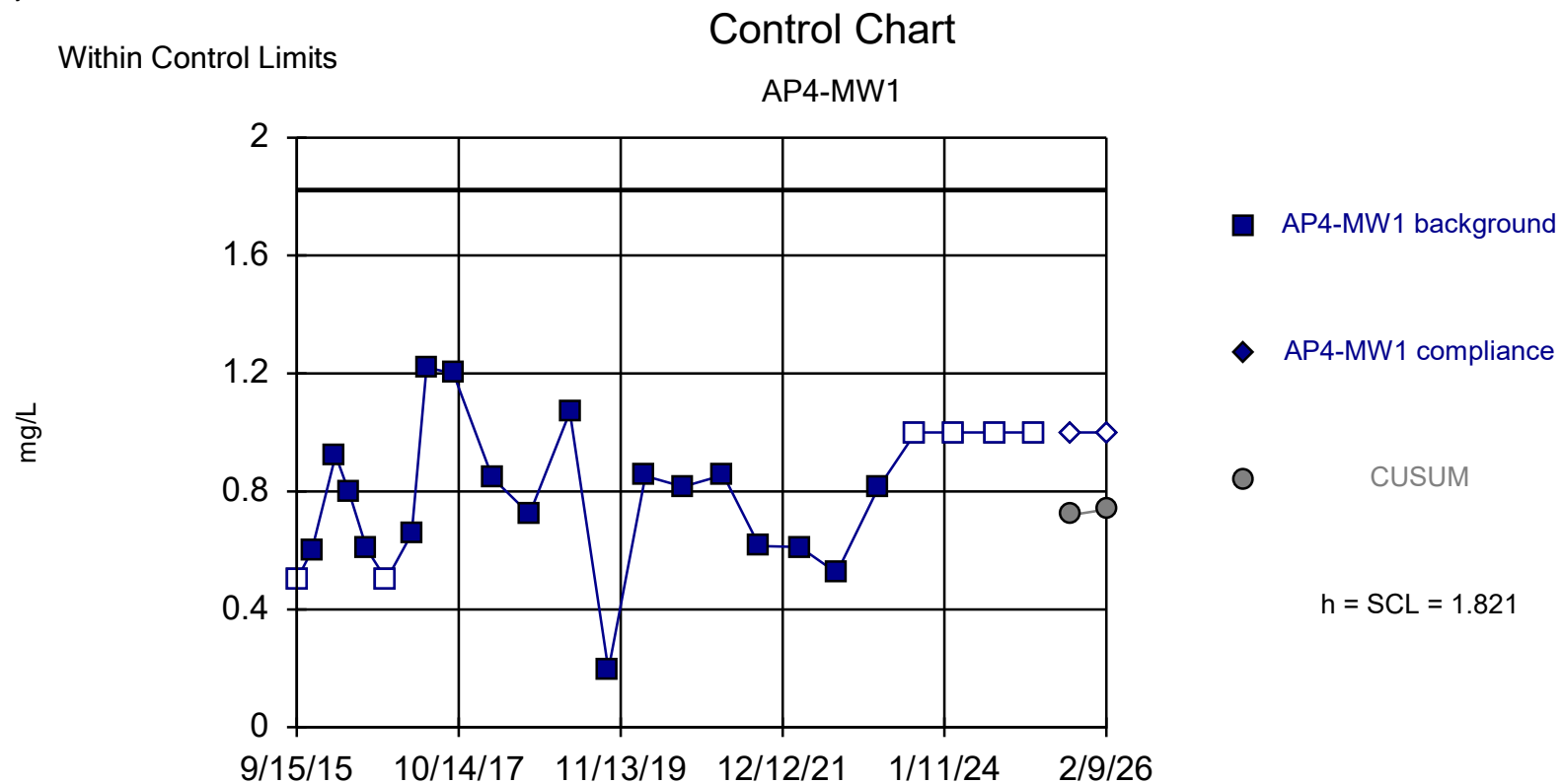
Constituent: Calcium Analysis Run 3/24/2026 1:46 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

Prediction Limit

Intrawell Non-parametric

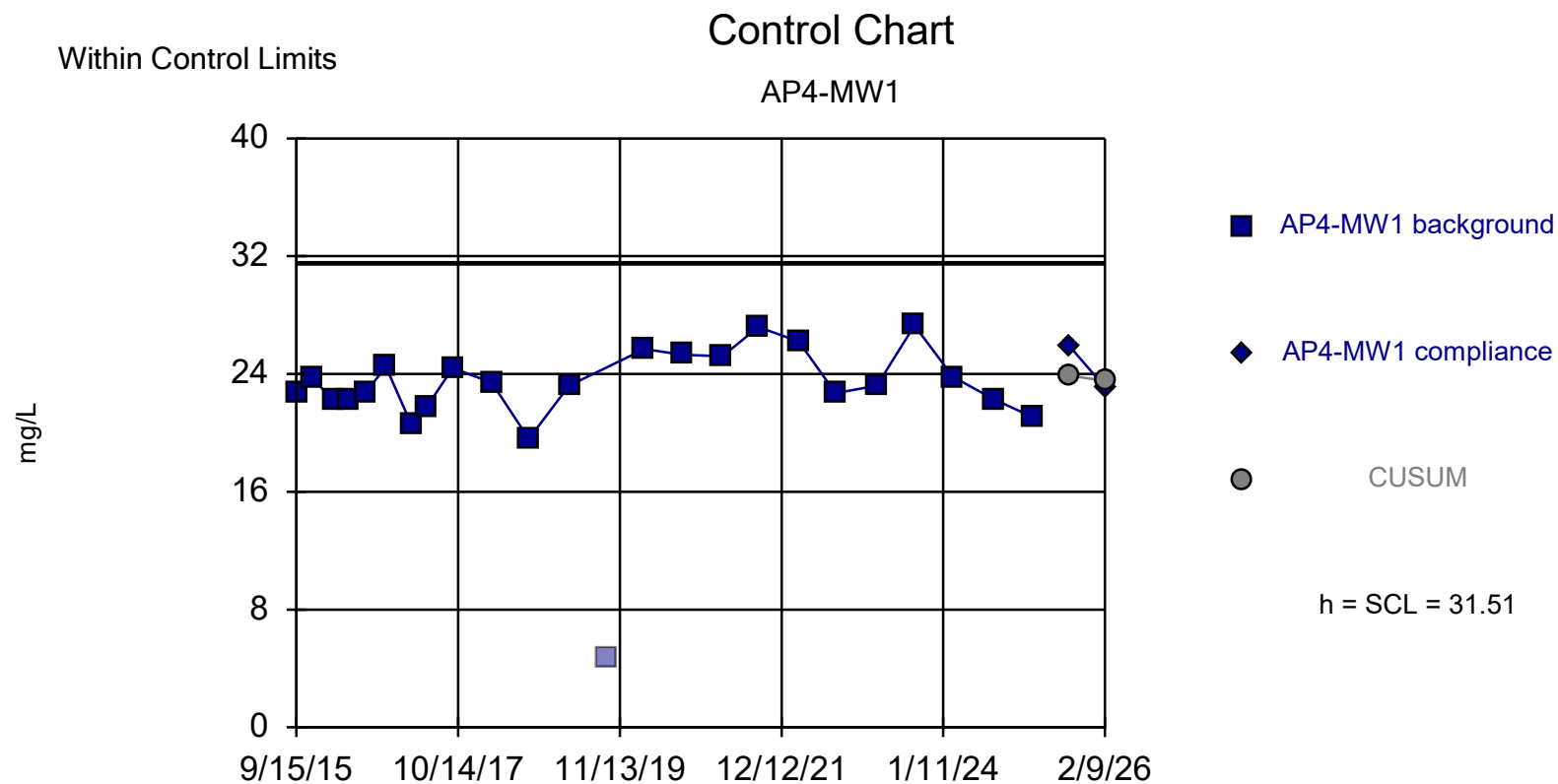




Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.702, Std. Dev.=0.2799, n=24, 25% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9708, critical = 0.916. Report alpha = 0.000526. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

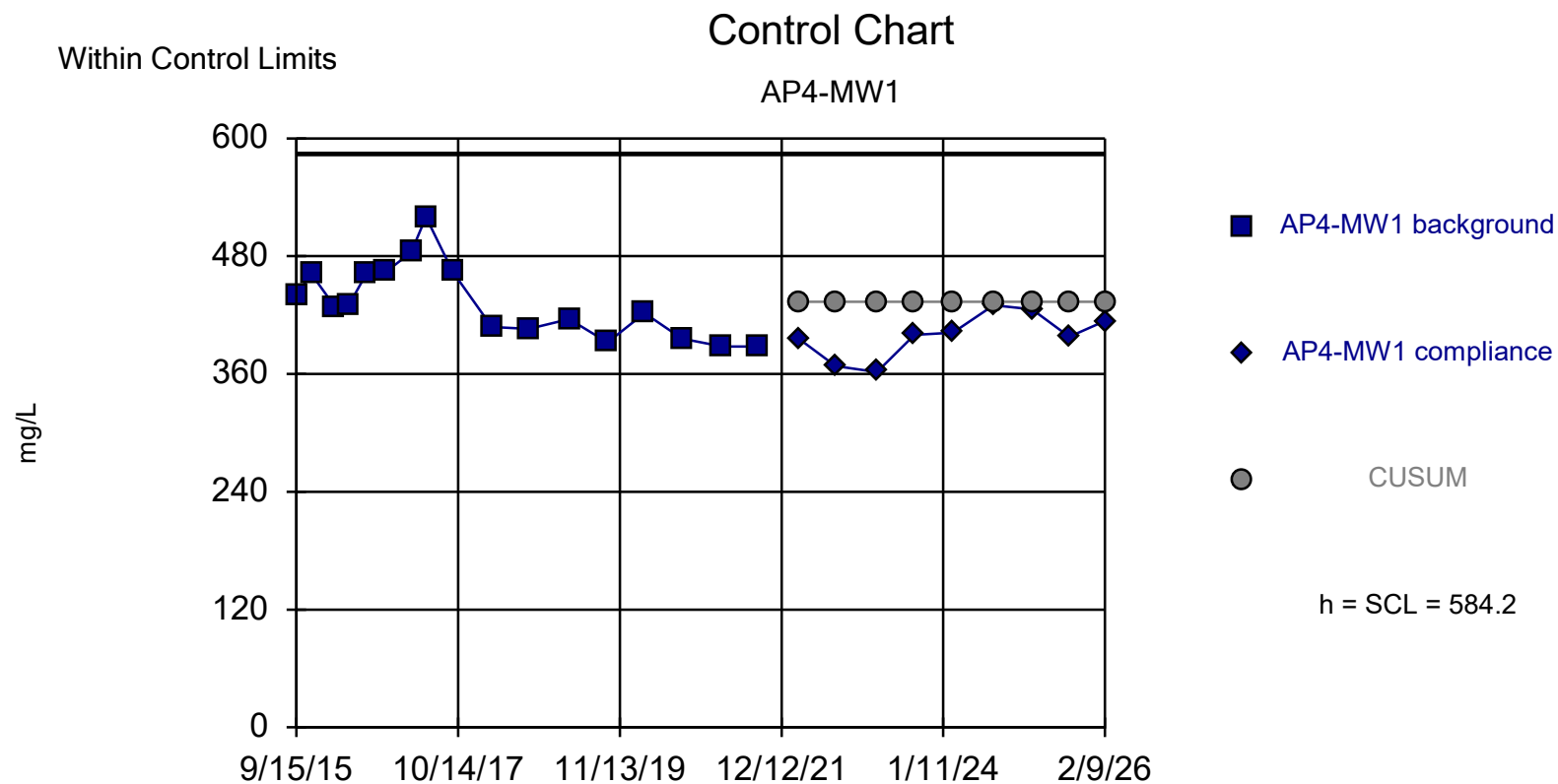
Constituent: Fluoride Analysis Run 3/24/2026 1:48 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026





Background Data Summary: Mean=23.53, Std. Dev.=1.995, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9794, critical = 0.914. Report alpha = 0.000582. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

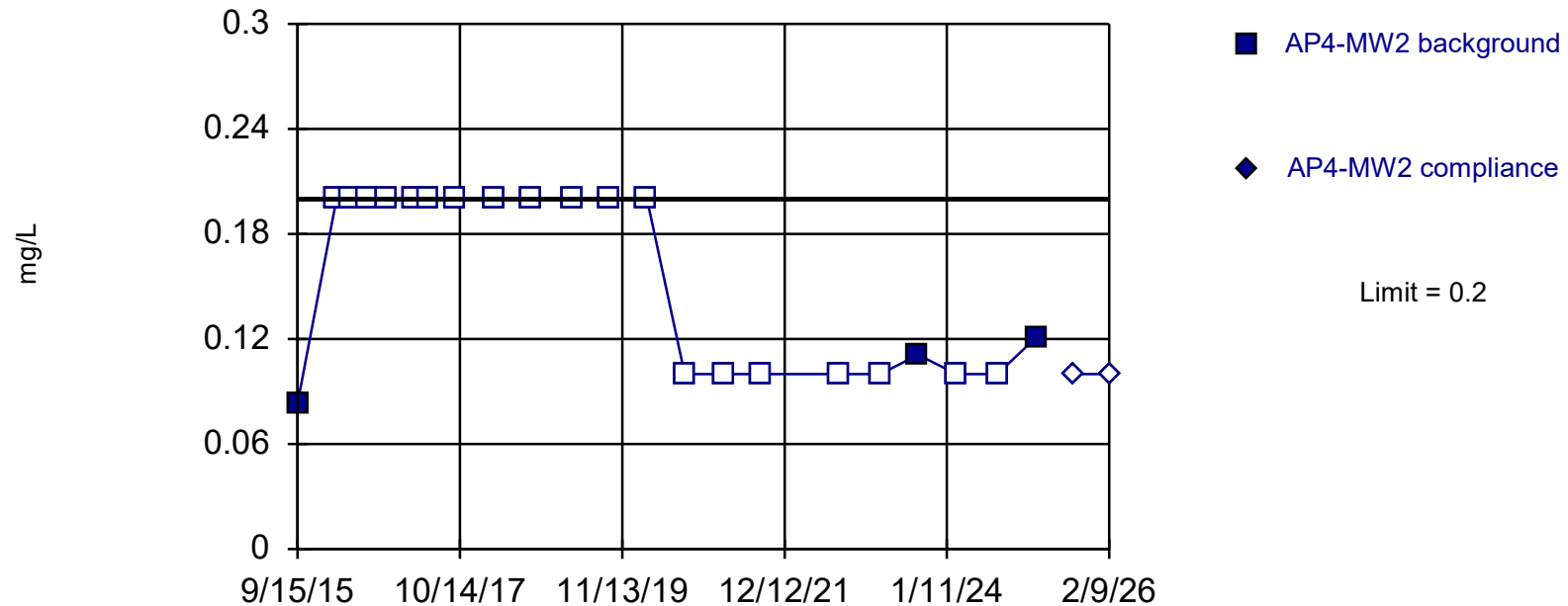
Constituent: Sulfate Analysis Run 3/24/2026 1:50 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Within Limit

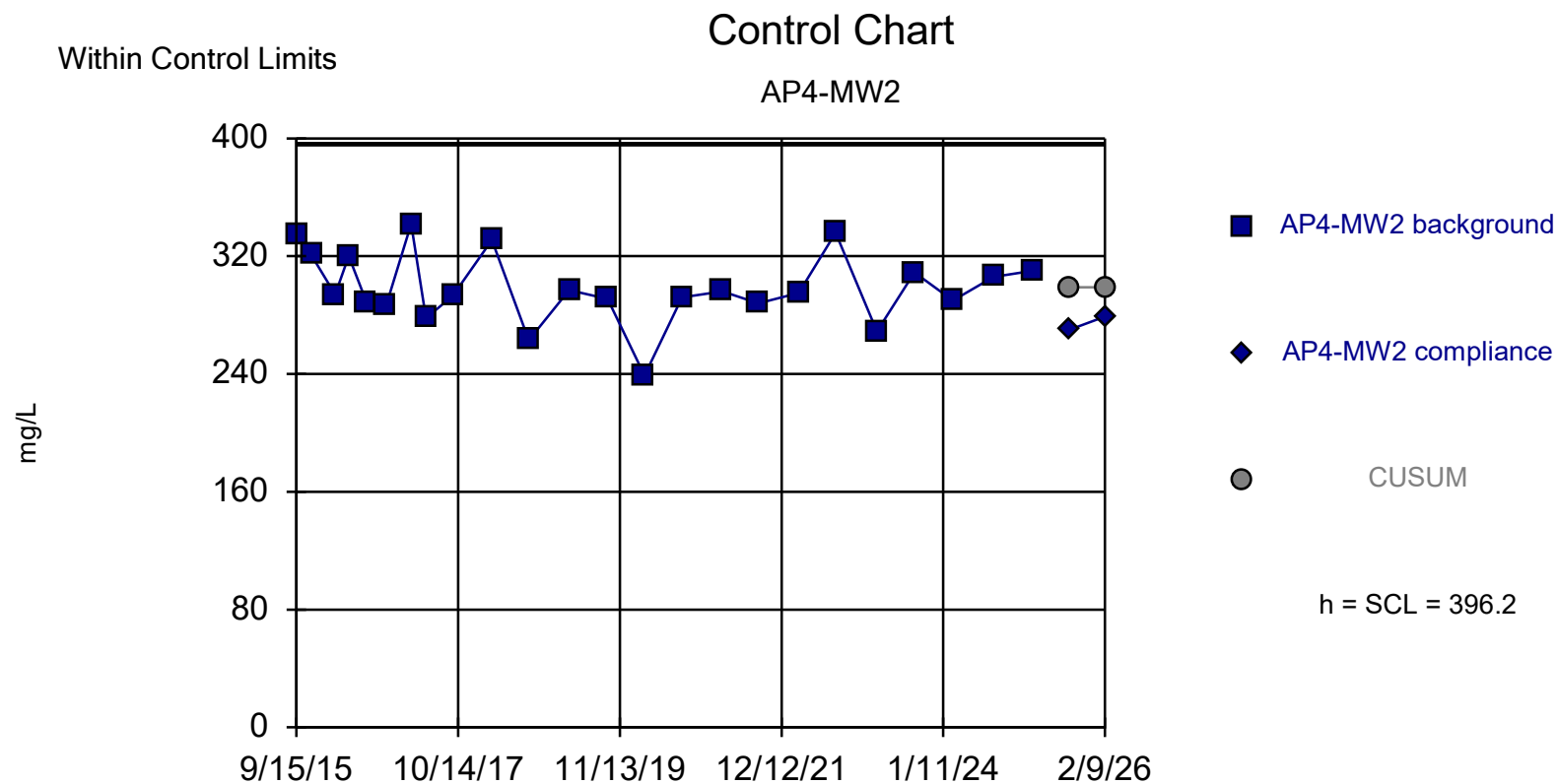
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 3/24/2026 1:53 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



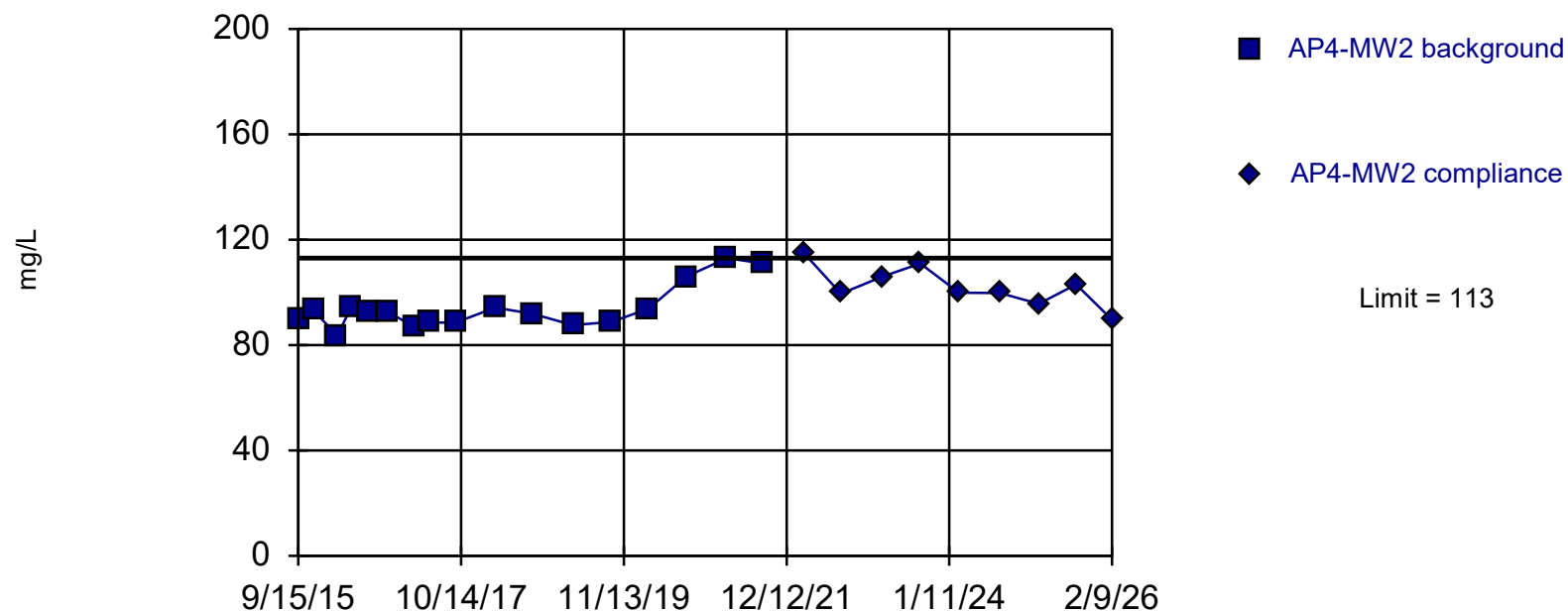
Background Data Summary: Mean=298.8, Std. Dev.=24.35, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9578, critical = 0.916. Report alpha = 0.000516. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Calcium Analysis Run 3/24/2026 1:54 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

Prediction Limit

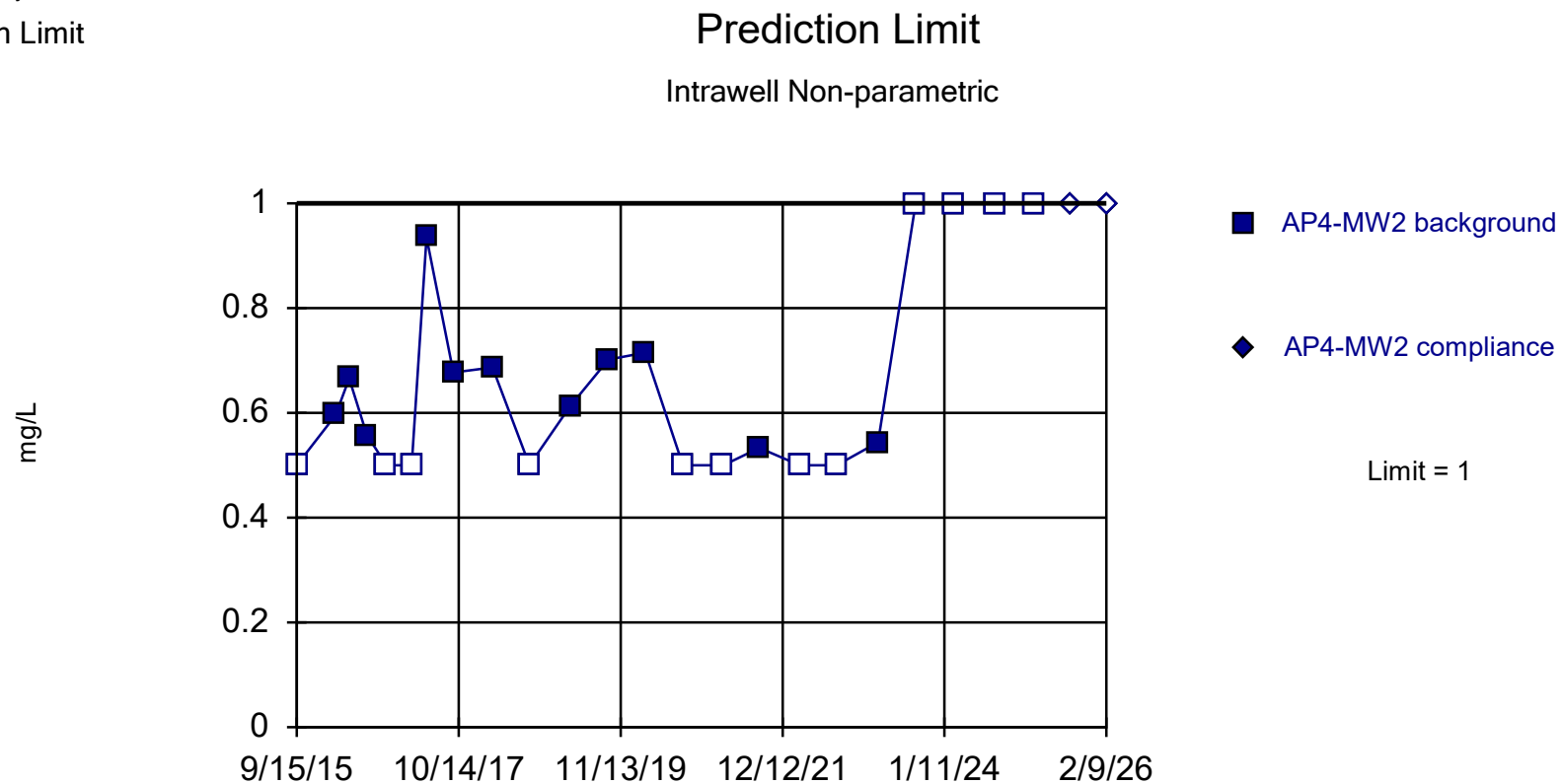
Intrawell Non-parametric



Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 3/24/2026 1:56 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit



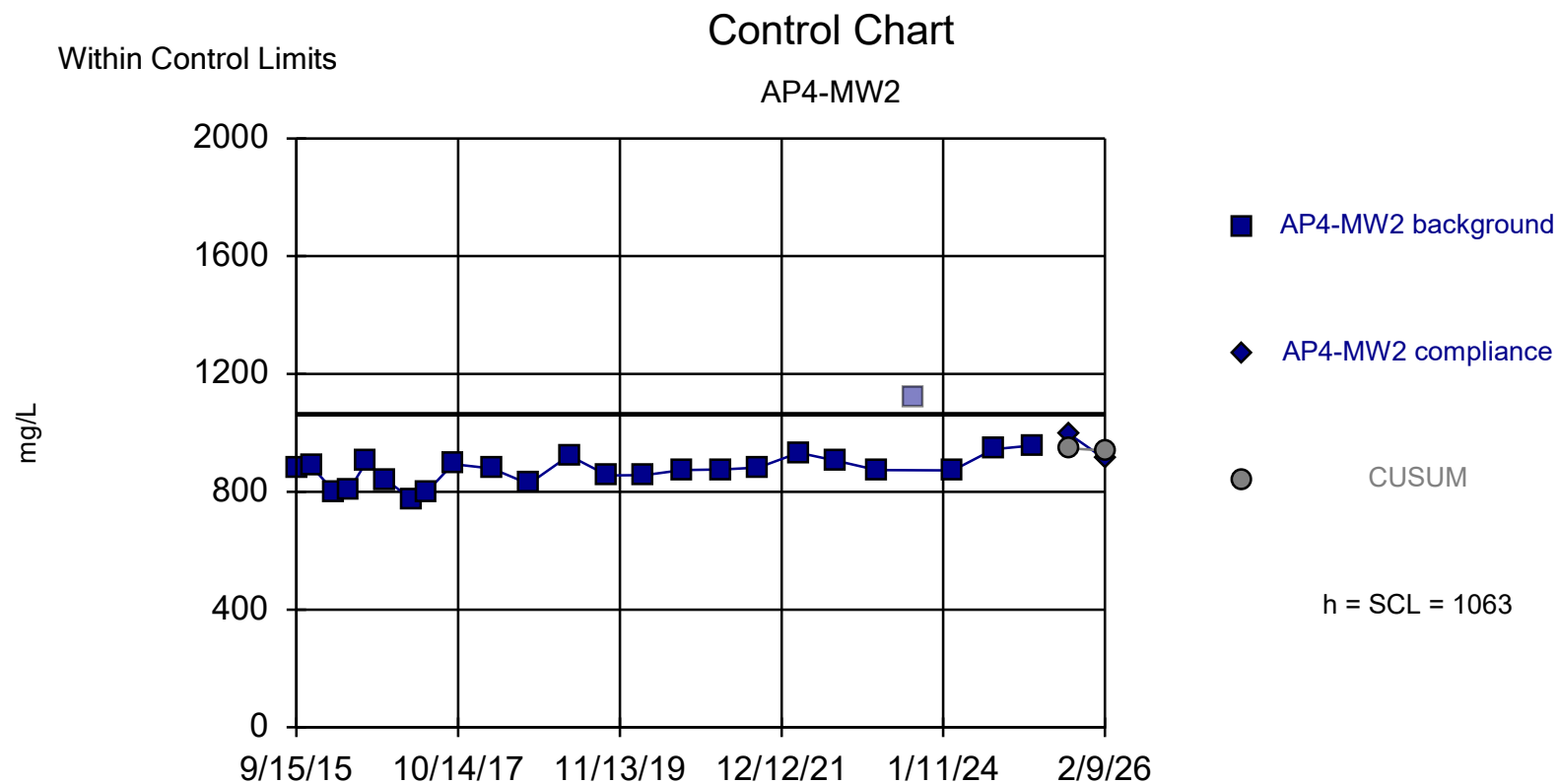
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Fluoride Analysis Run 3/24/2026 1:57 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Background Data Summary: Mean=7.124, Std. Dev.=0.1393, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9221, critical = 0.914. Report alpha = 0.000492. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 3/24/2026 1:58 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



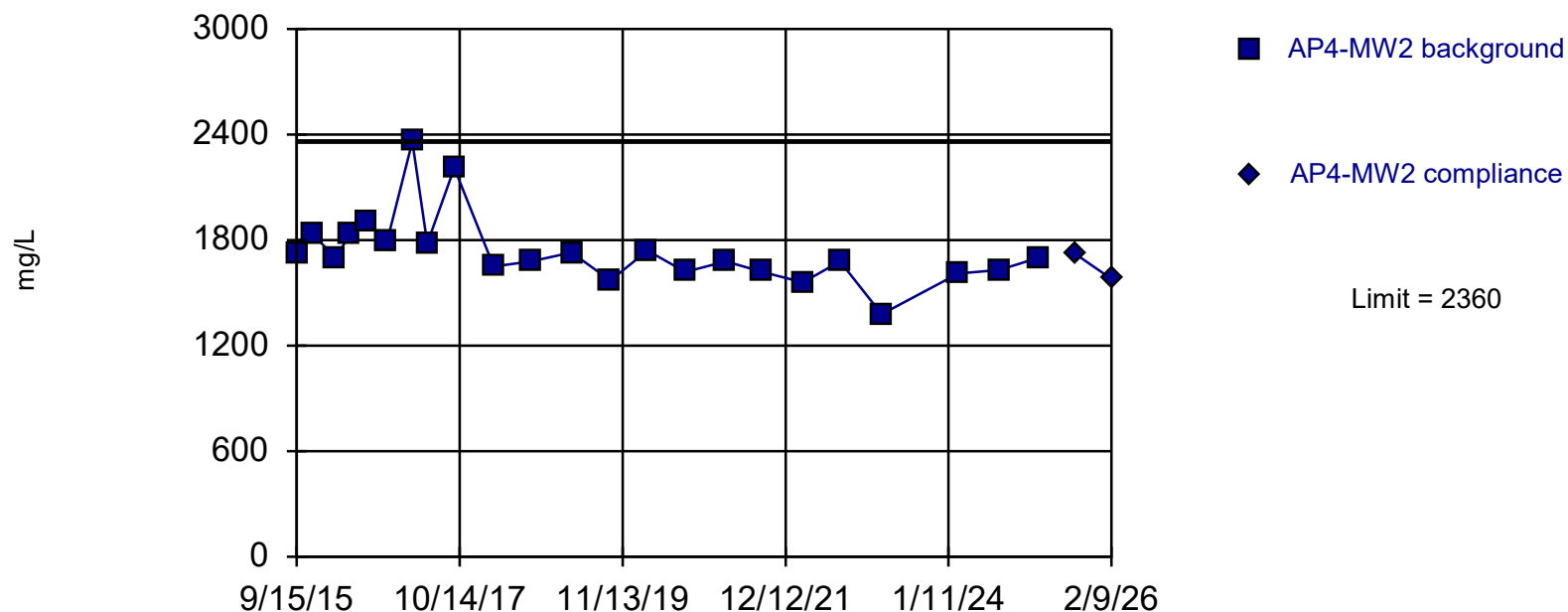
Background Data Summary: Mean=871.3, Std. Dev.=48, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9641, critical = 0.914. Report alpha = 0.000492. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Sulfate Analysis Run 3/24/2026 1:59 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

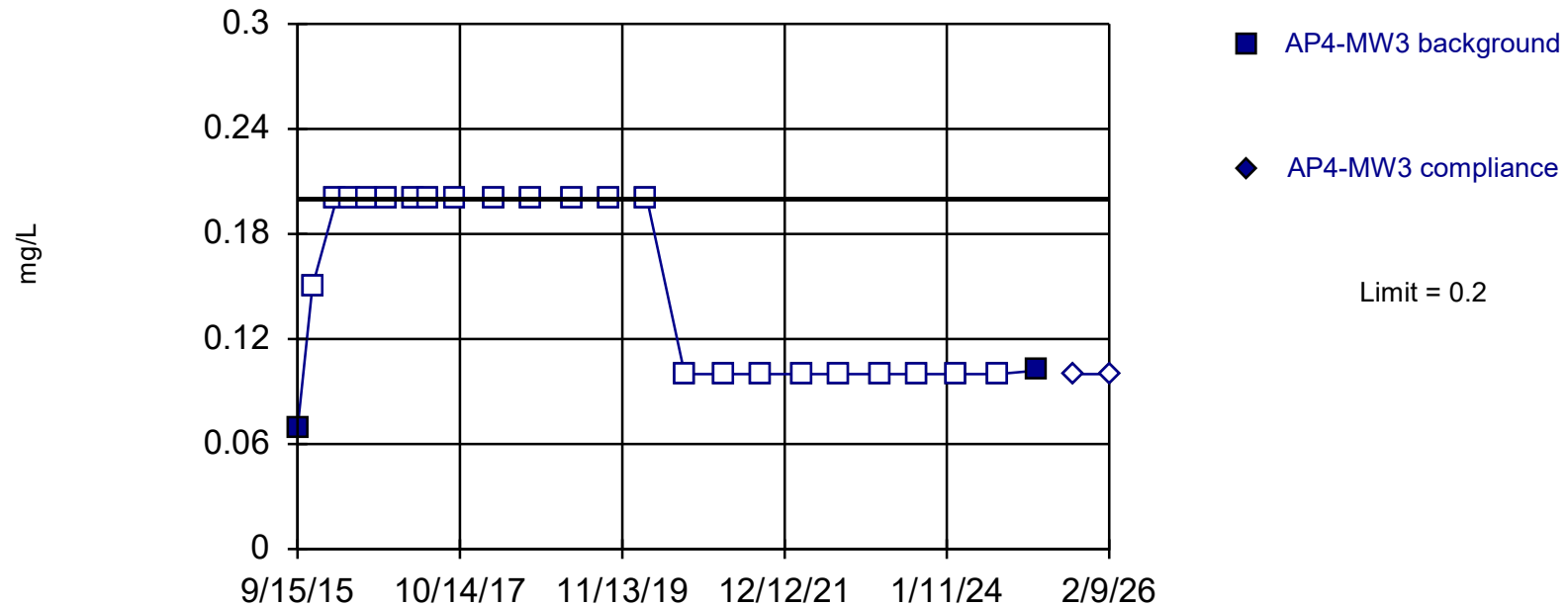
Constituent: Total Dissolved Solids Analysis Run 3/24/2026 2:00 PM

Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

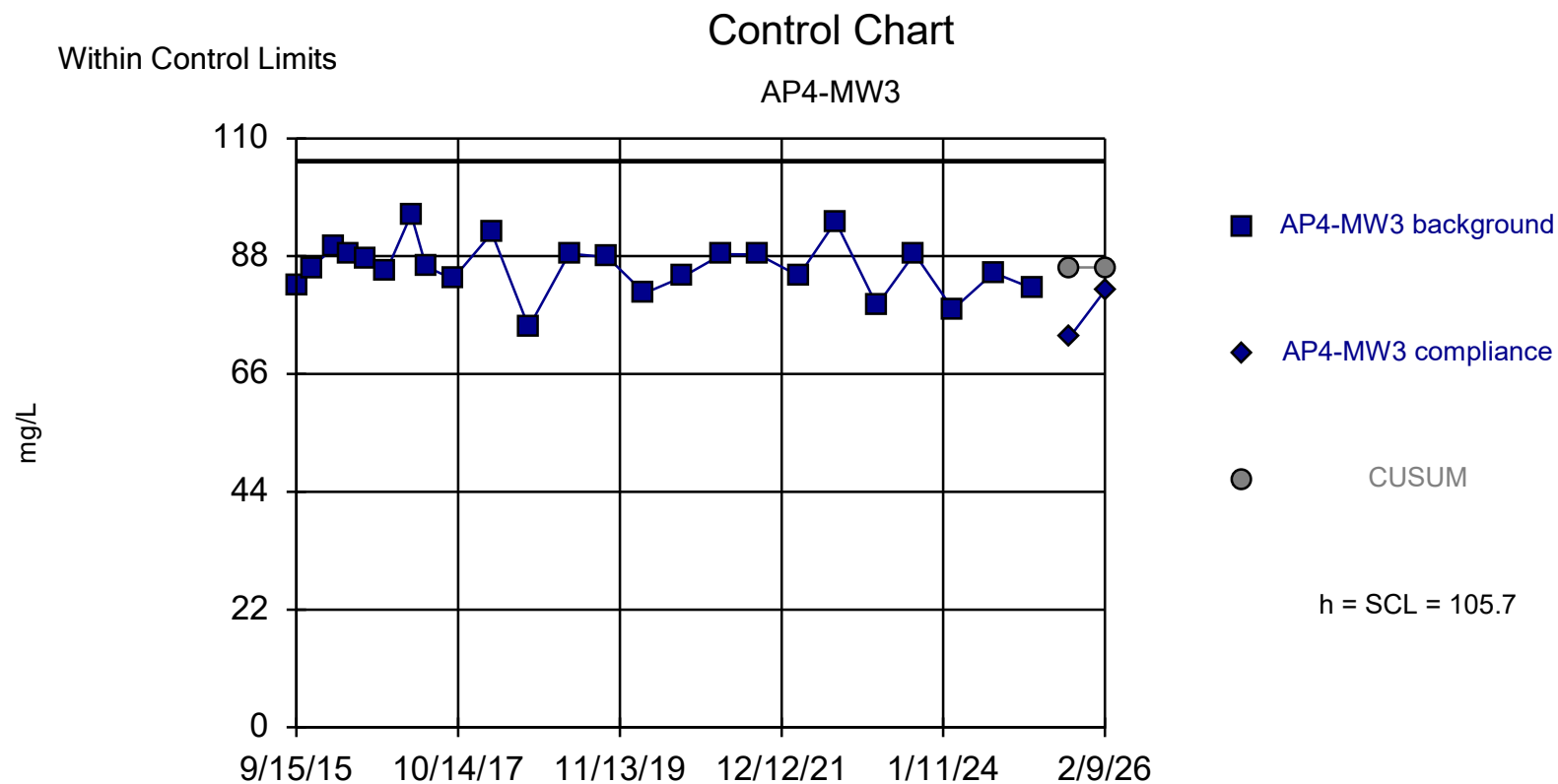
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 3/24/2026 2:00 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



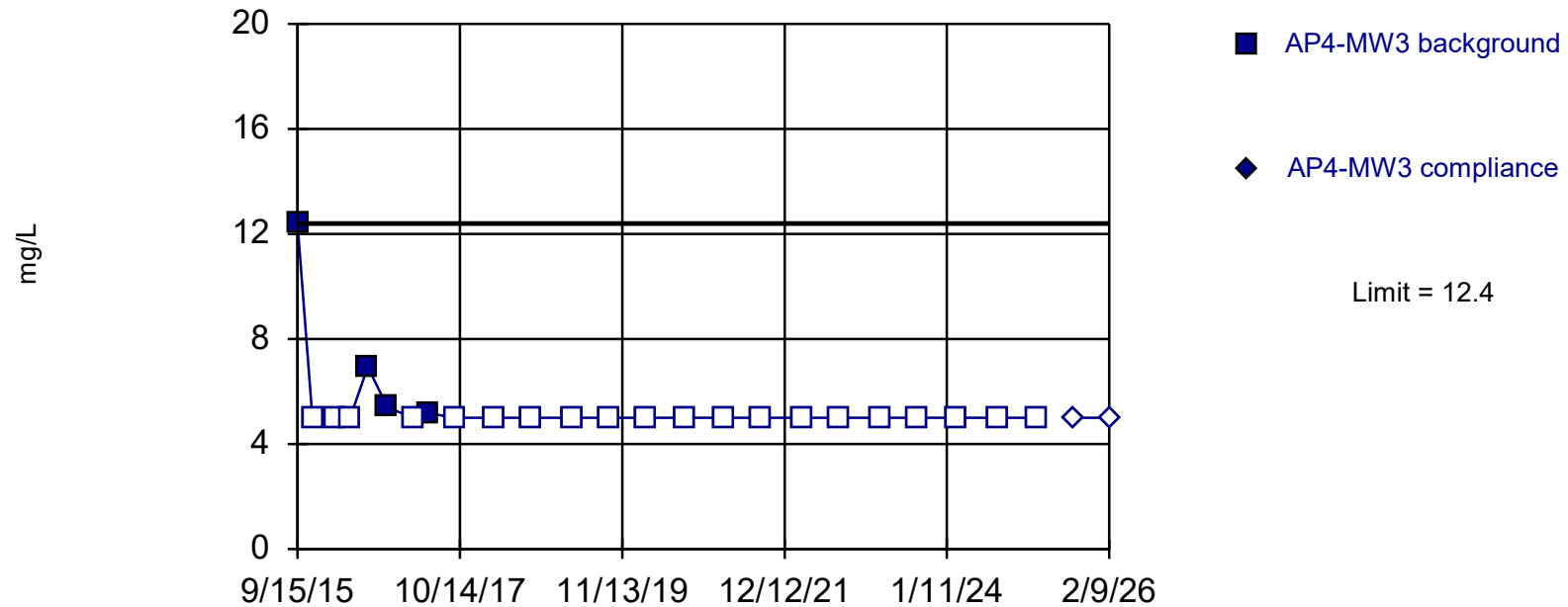
Background Data Summary: Mean=85.88, Std. Dev.=4.962, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9788, critical = 0.916. Report alpha = 0.000482. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Calcium Analysis Run 3/24/2026 2:06 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

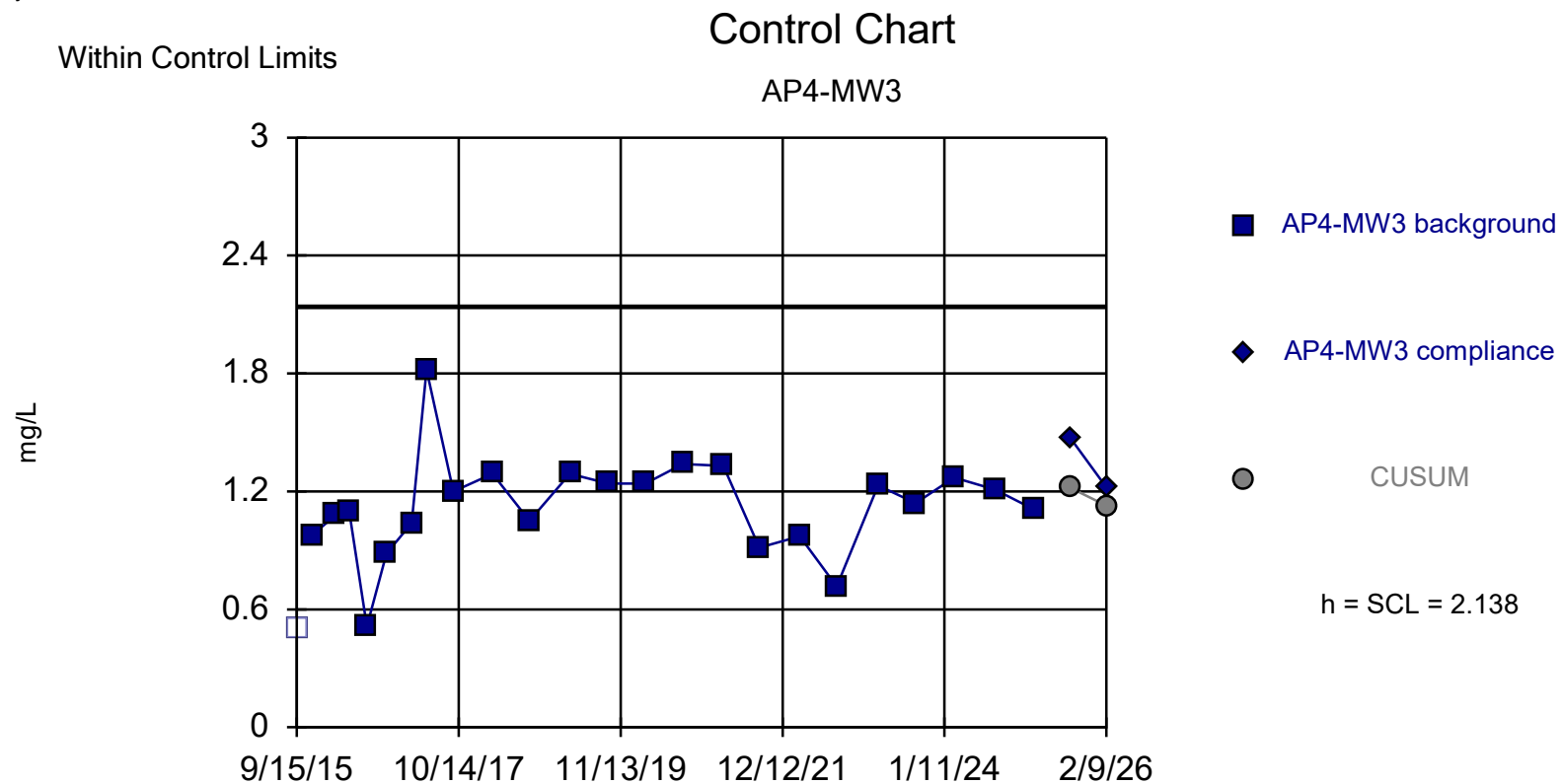
Prediction Limit

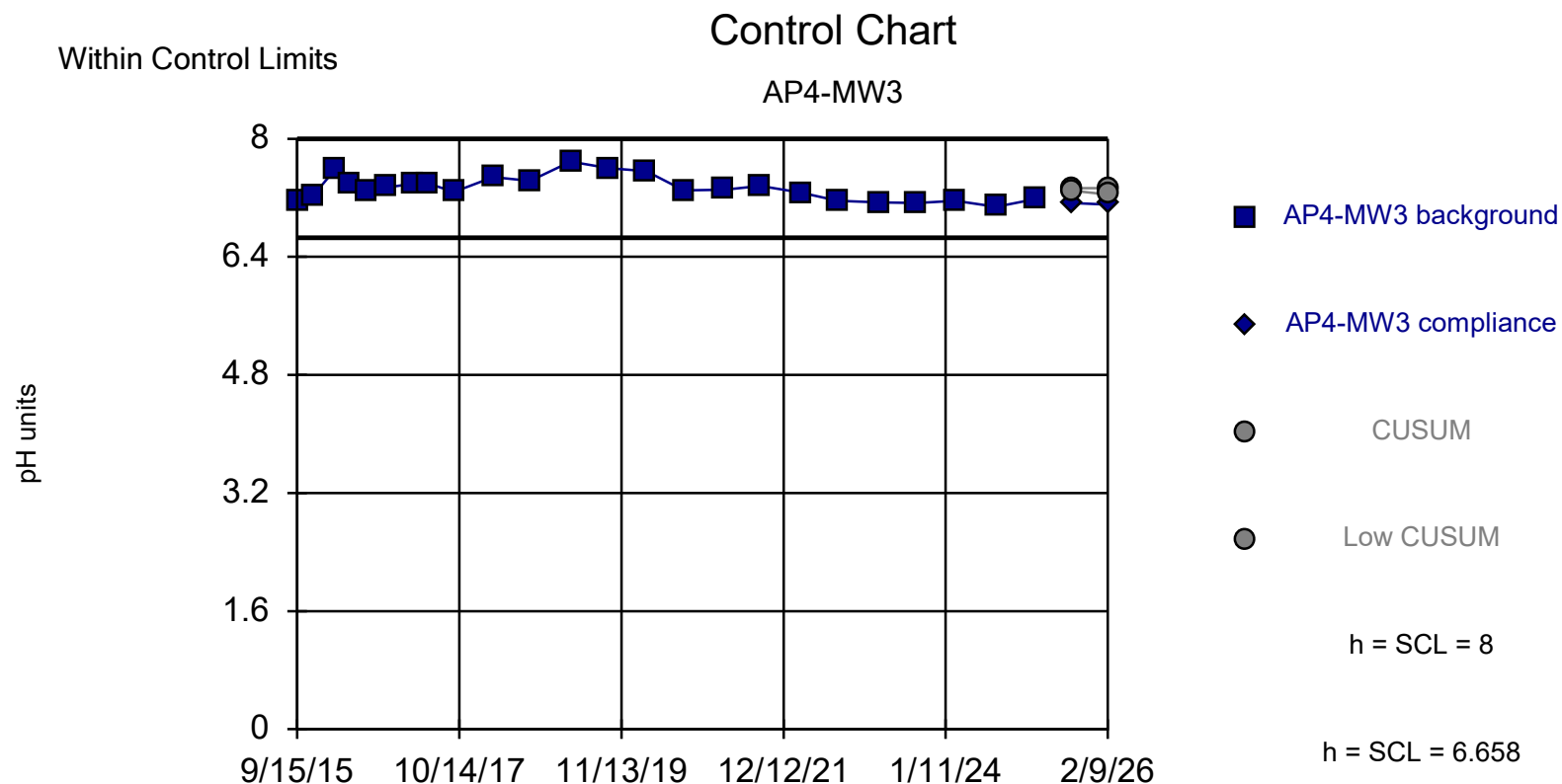
Intrawell Non-parametric

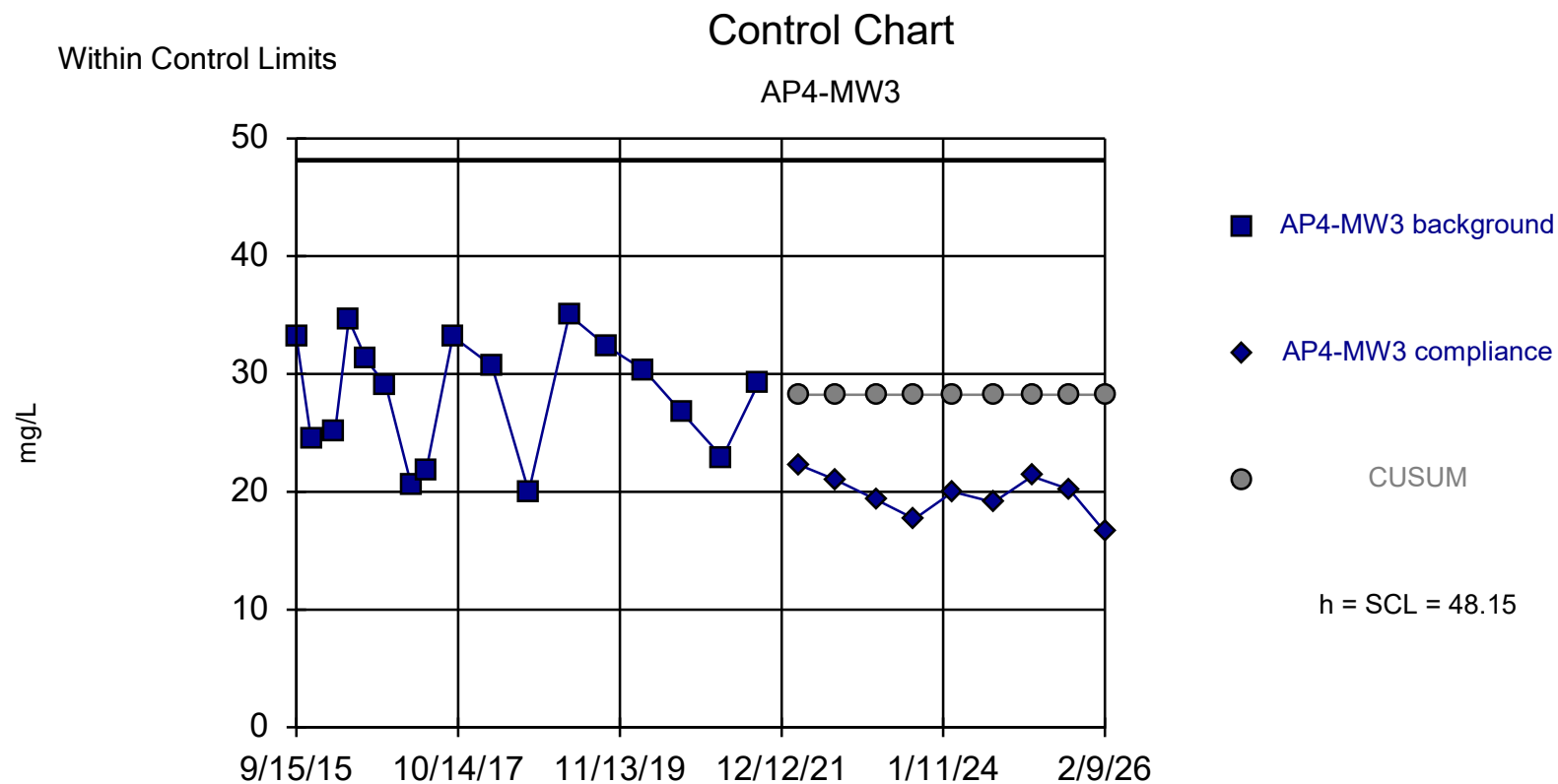


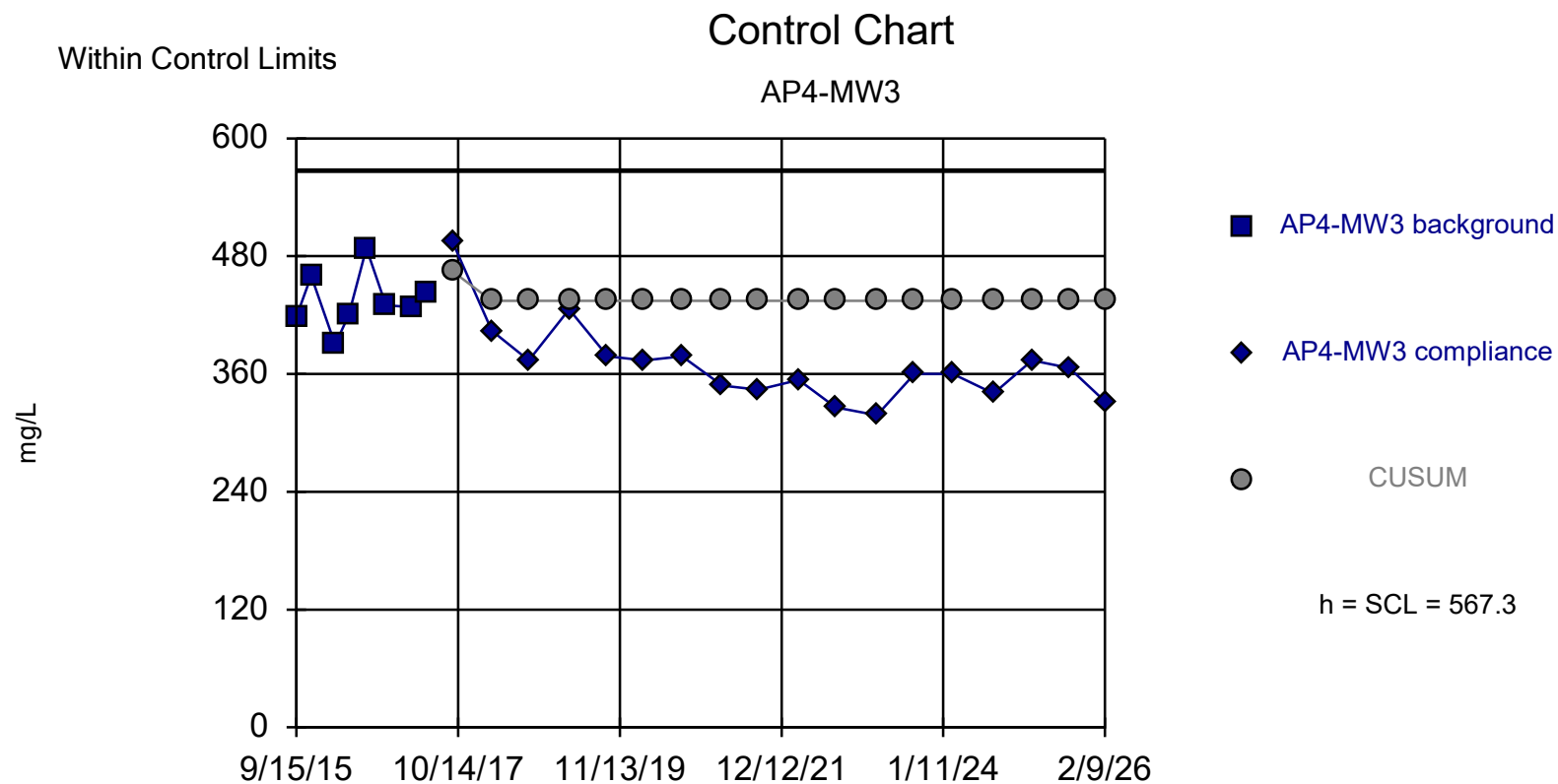
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 3/24/2026 2:07 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026





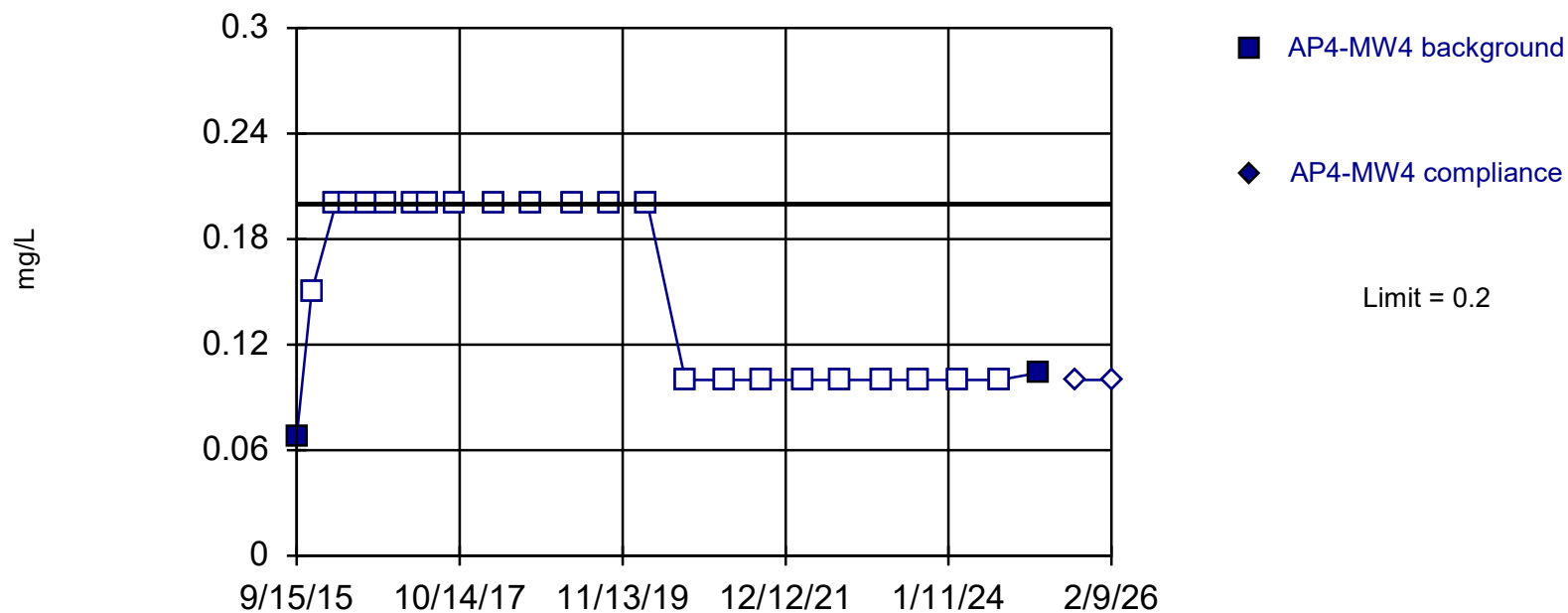




Within Limit

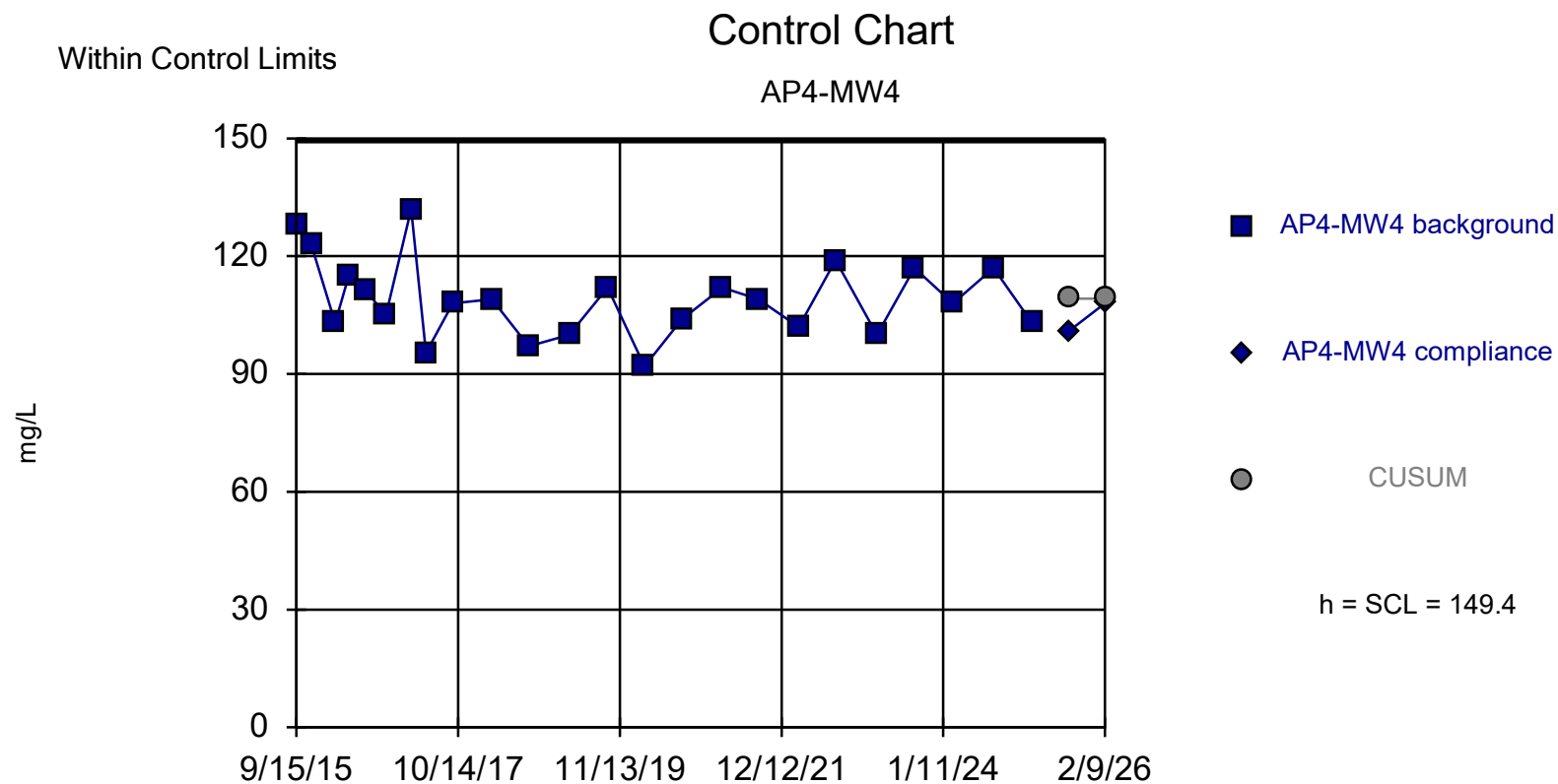
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 3/24/2026 2:12 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



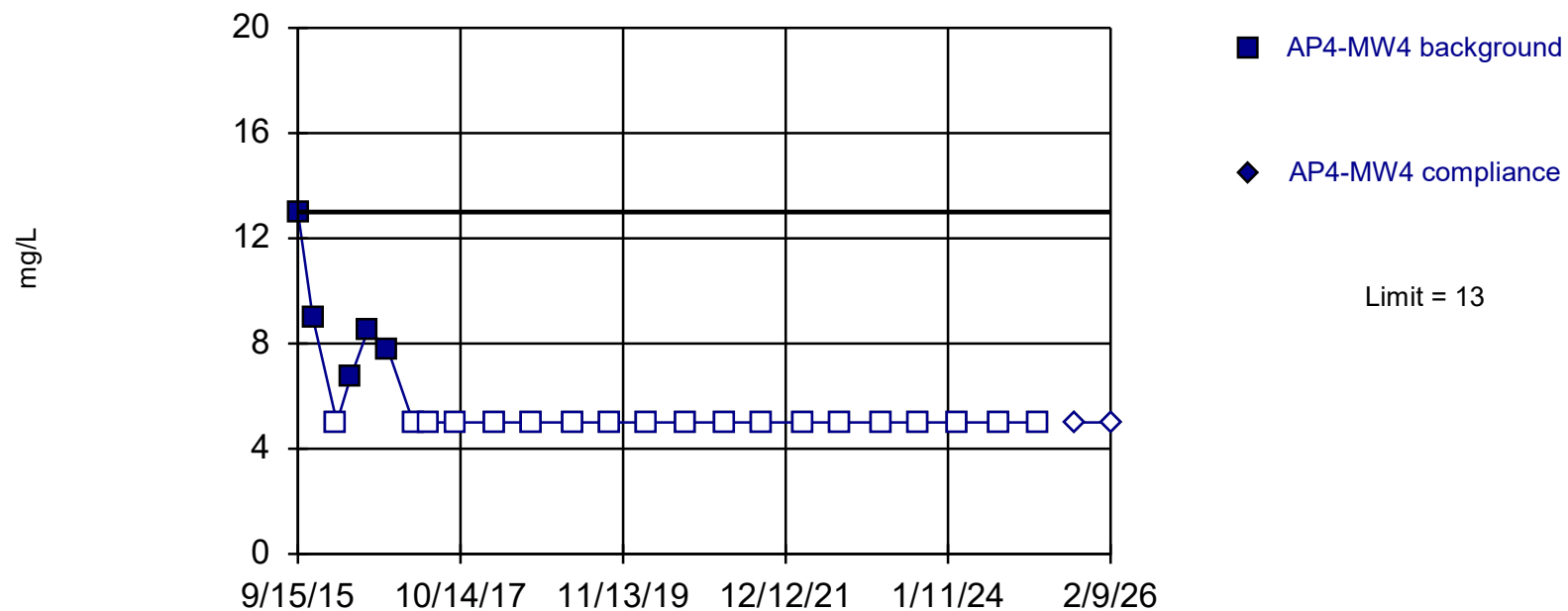
Background Data Summary: Mean=109.2, Std. Dev.=10.03, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9749, critical = 0.916. Report alpha = 0.000494. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Calcium Analysis Run 3/24/2026 2:13 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

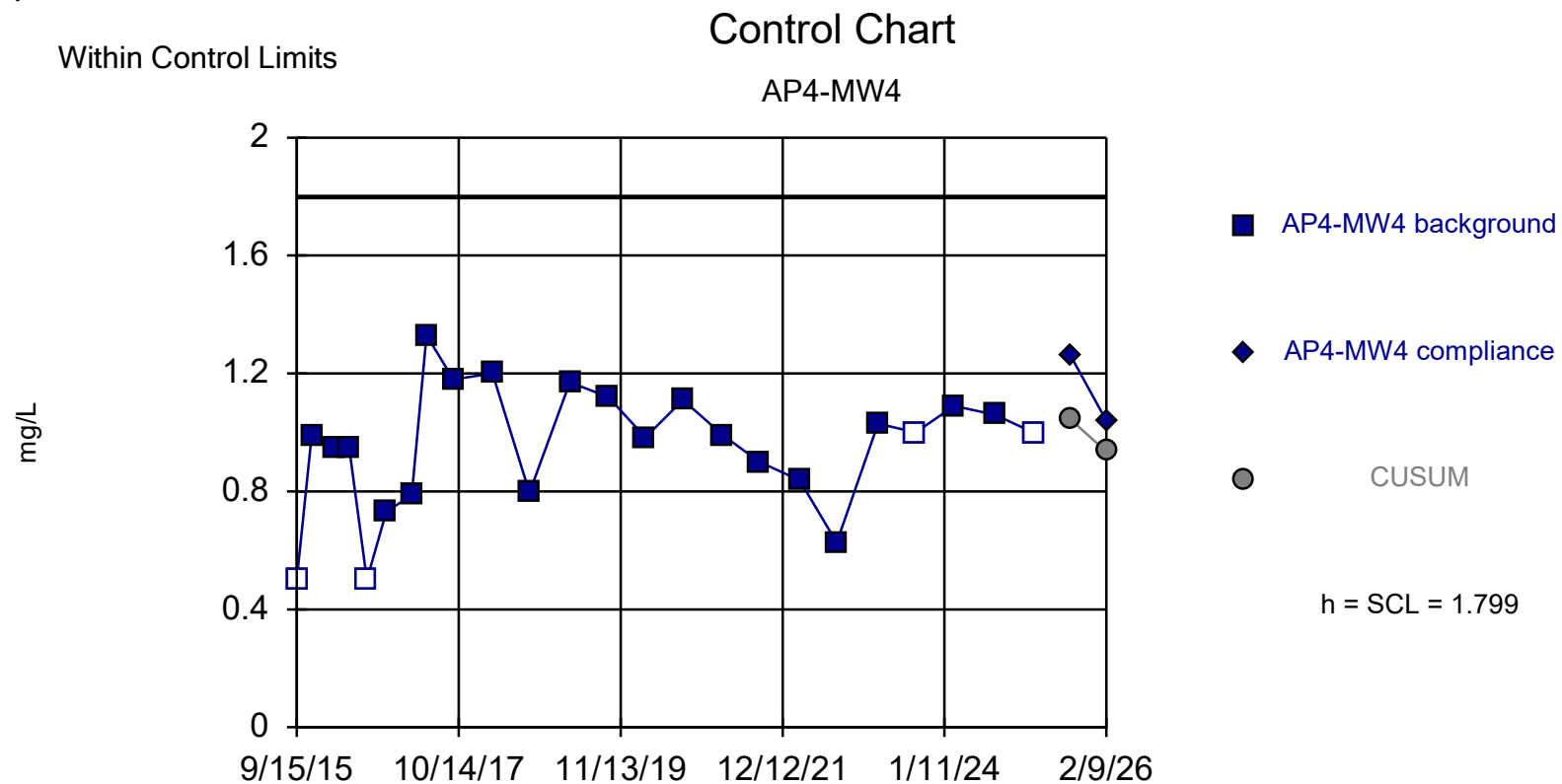
Prediction Limit

Intrawell Non-parametric



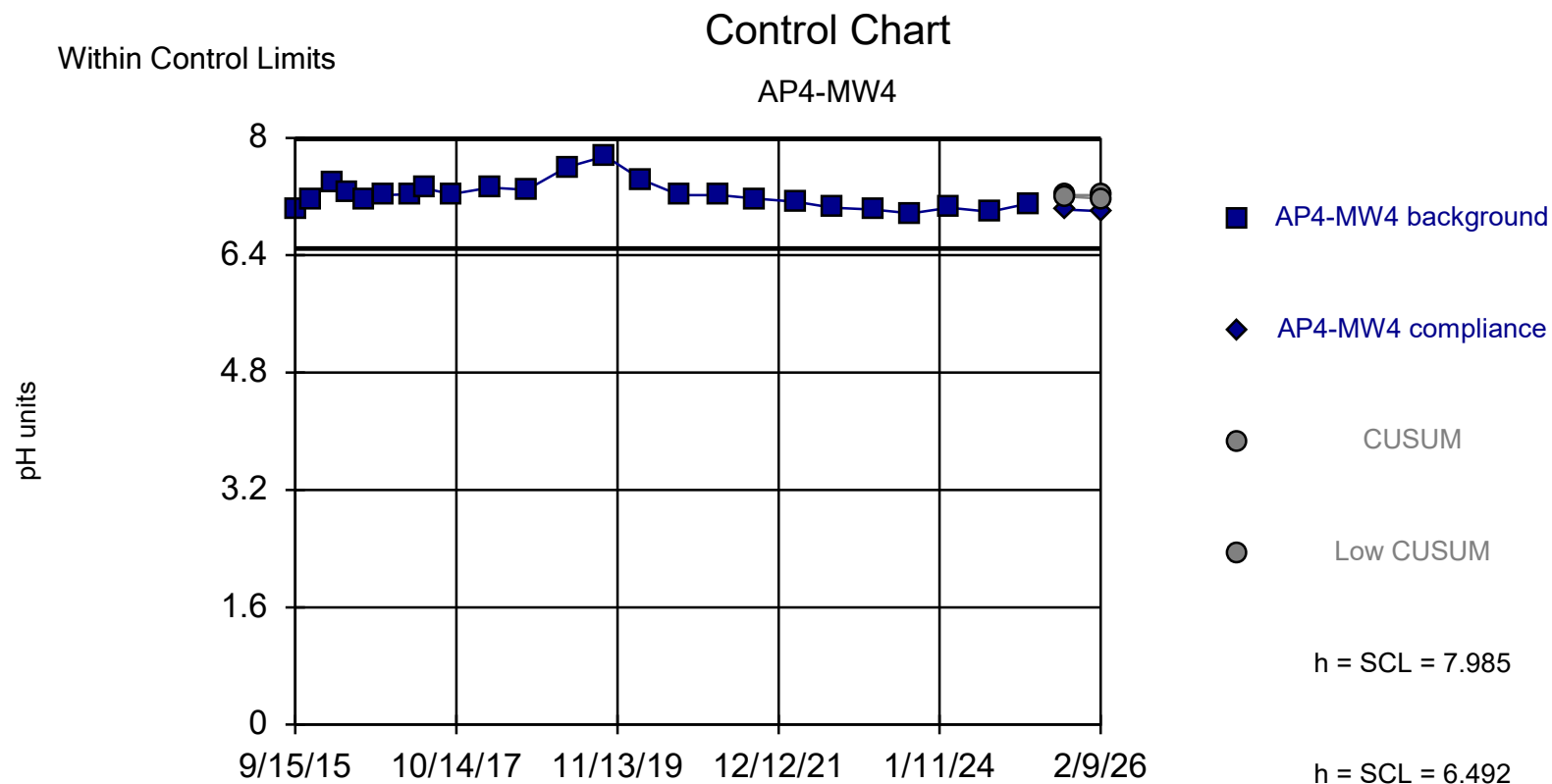
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 3/24/2026 2:13 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



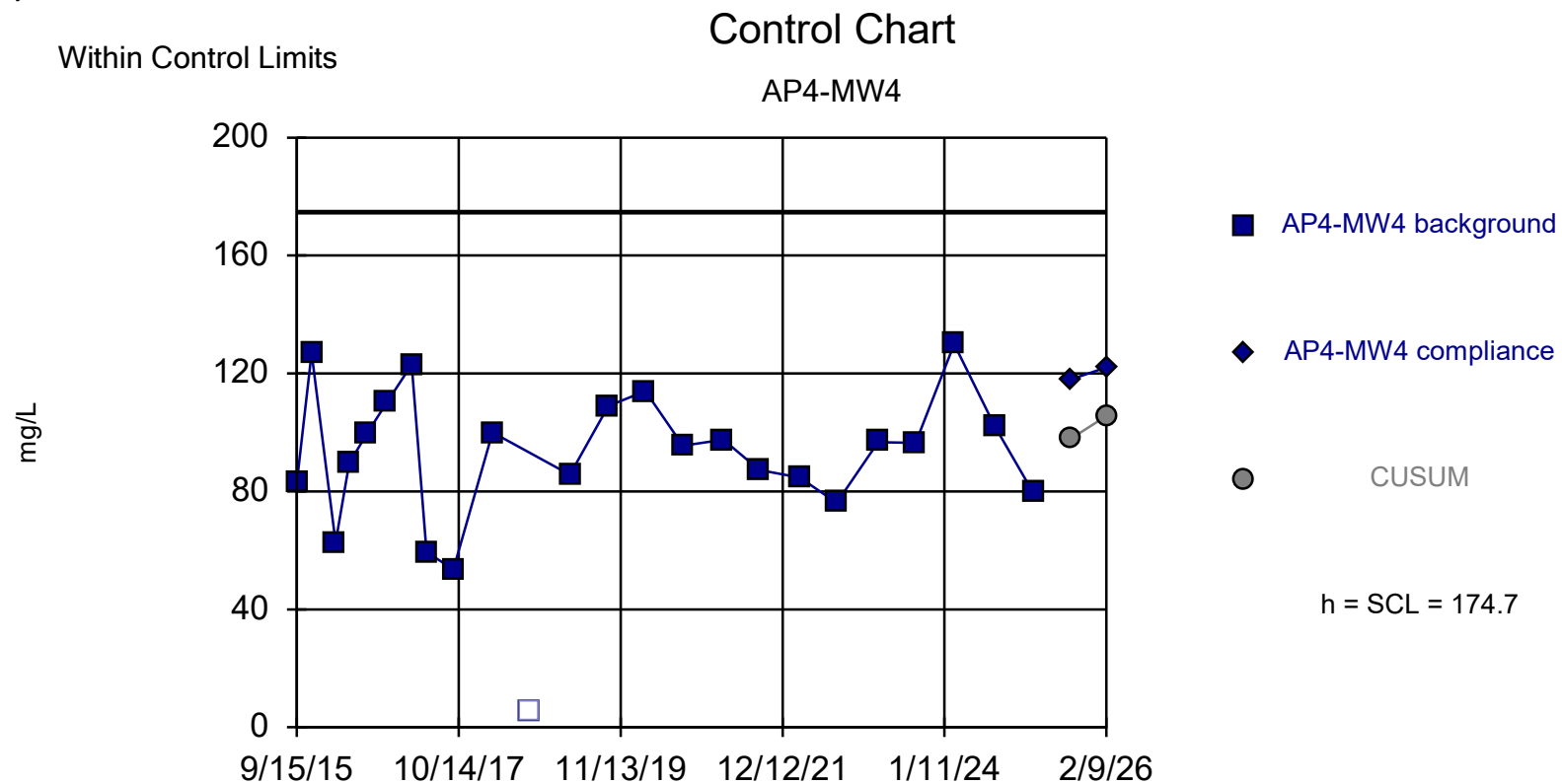
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.935, Std. Dev.=0.216, n=24, 16.67% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9491, critical = 0.916. Report alpha = 0.000494. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Fluoride Analysis Run 3/24/2026 2:14 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



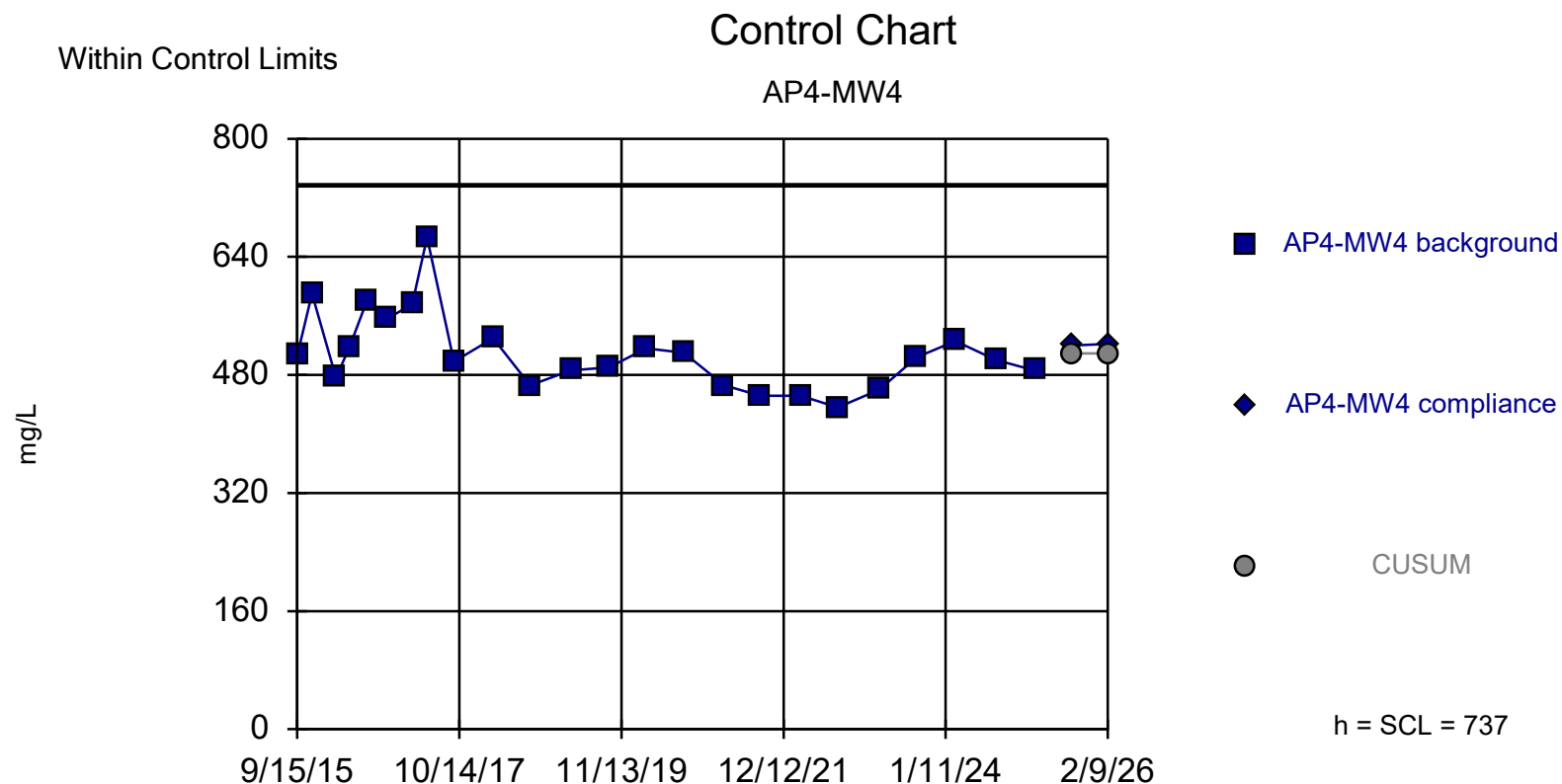
Background Data Summary (based on square root transformation): Mean=2.687, Std. Dev.=0.03472, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9162, critical = 0.916. Report alpha = 0.000494. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 3/24/2026 2:15 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Background Data Summary: Mean=94, Std. Dev.=20.19, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9743, critical = 0.914. Report alpha = 0.000516. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Sulfate Analysis Run 3/24/2026 2:24 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



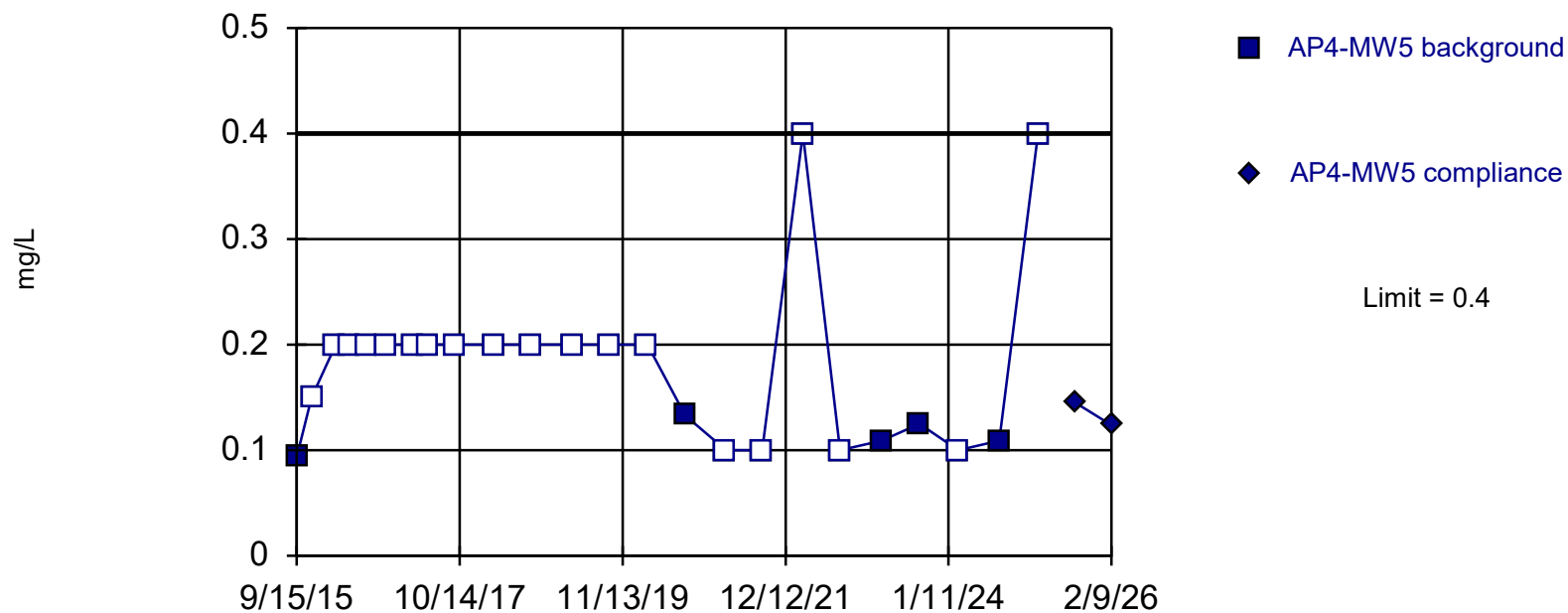
Background Data Summary (based on square root transformation): Mean=22.56, Std. Dev.=1.146, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9296, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Total Dissolved Solids Analysis Run 3/24/2026 2:25 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

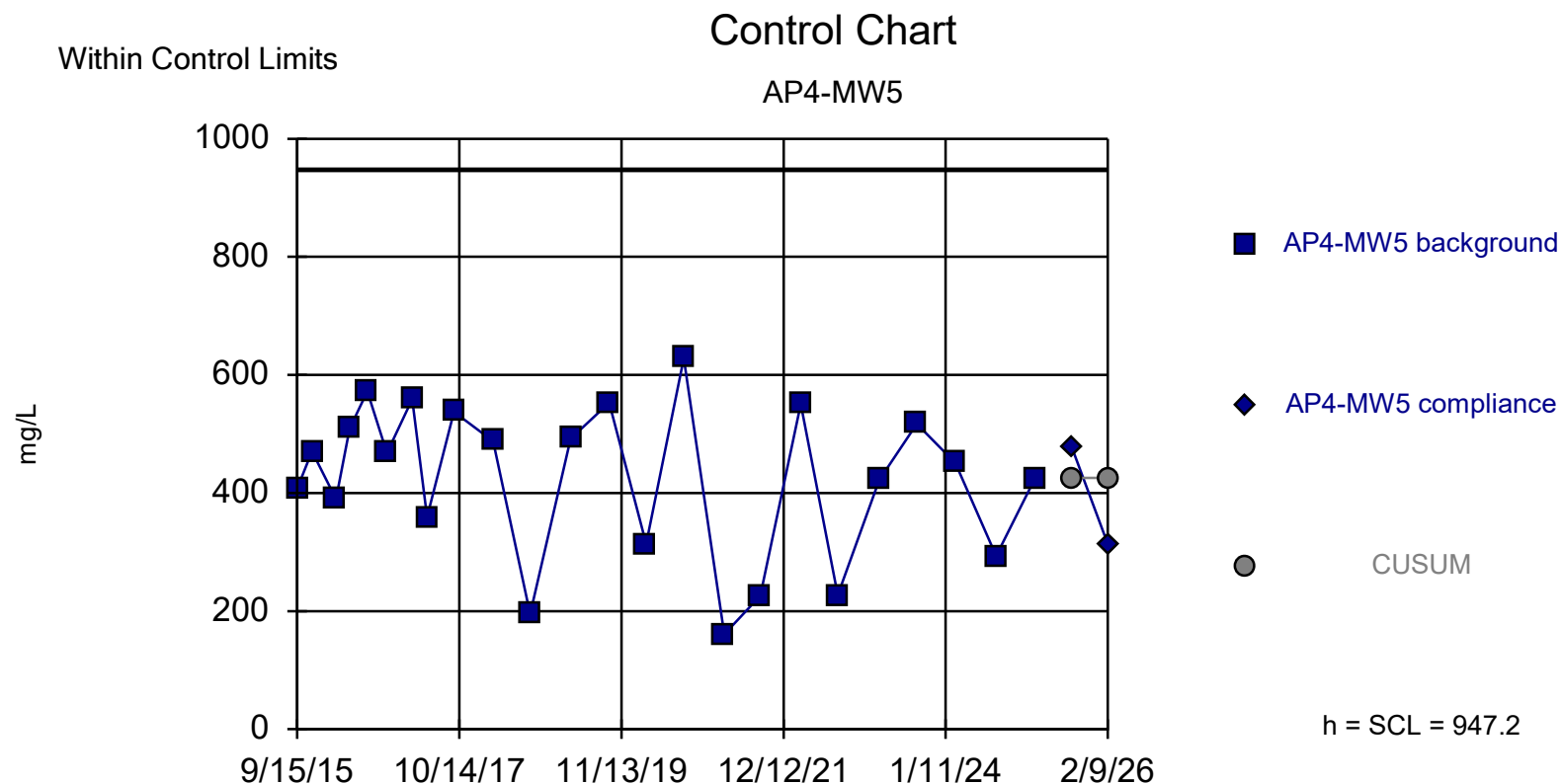
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

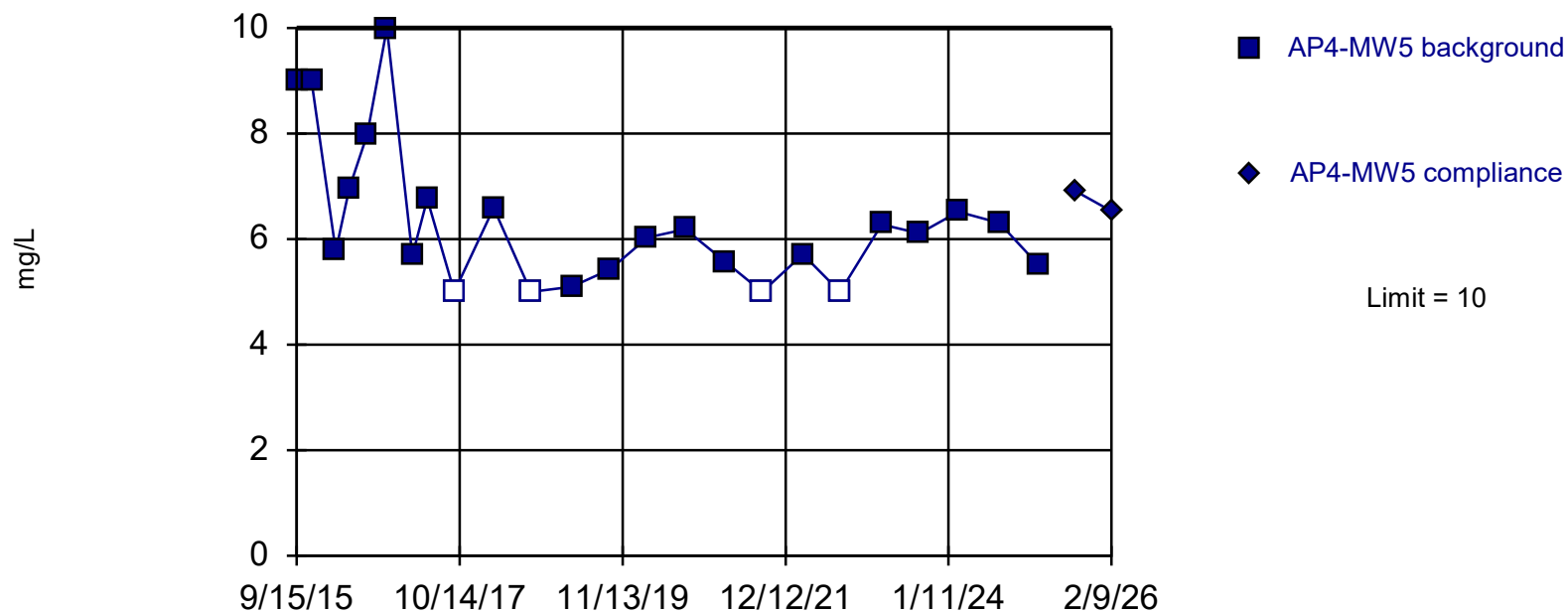
Constituent: Boron Analysis Run 3/24/2026 2:26 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Within Limit

Prediction Limit

Intrawell Non-parametric



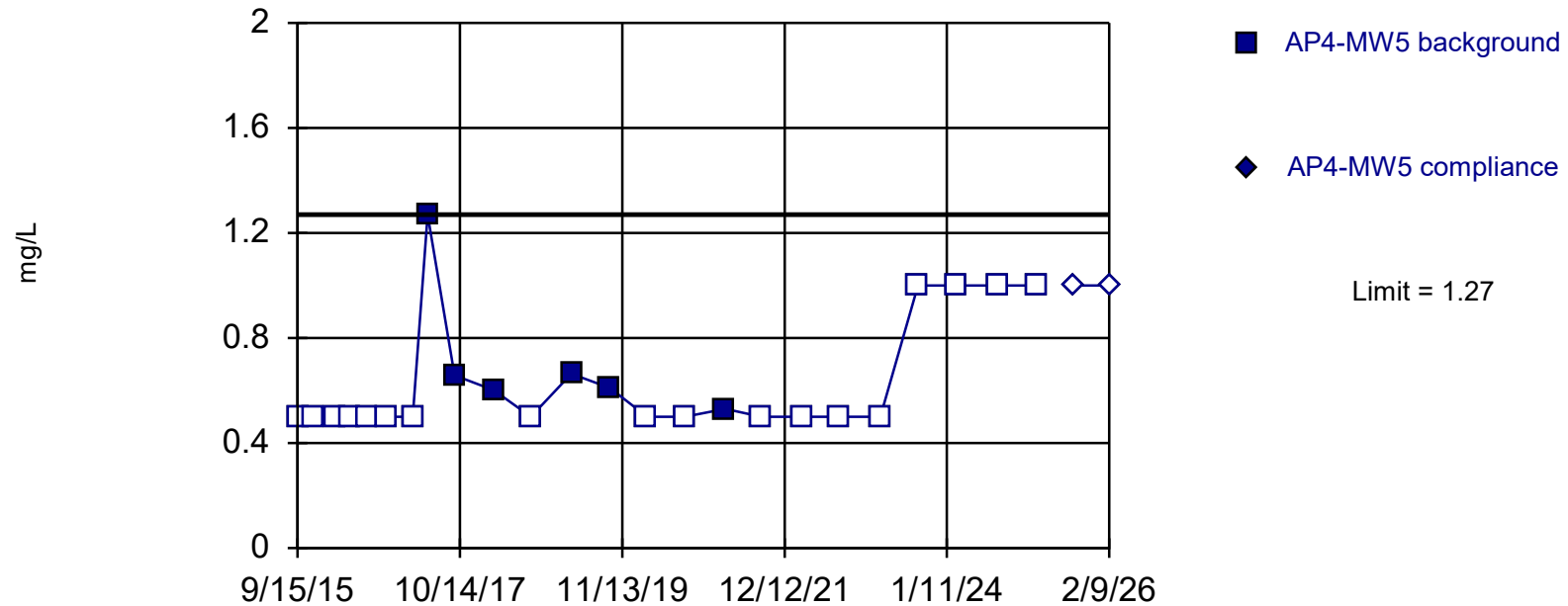
Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 24 background values. 16.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 4/13/2026 8:47 AM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

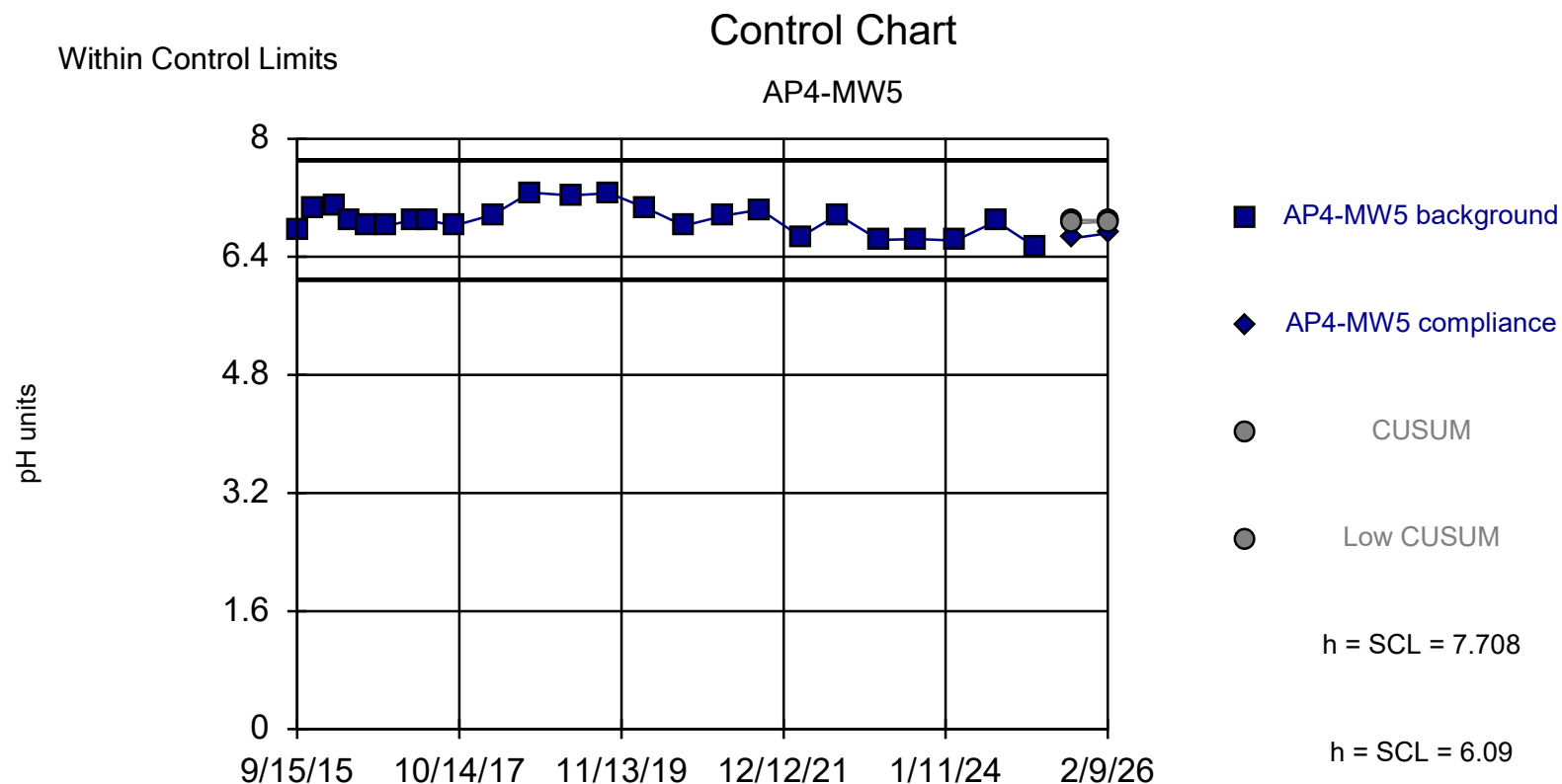
Prediction Limit

Intrawell Non-parametric



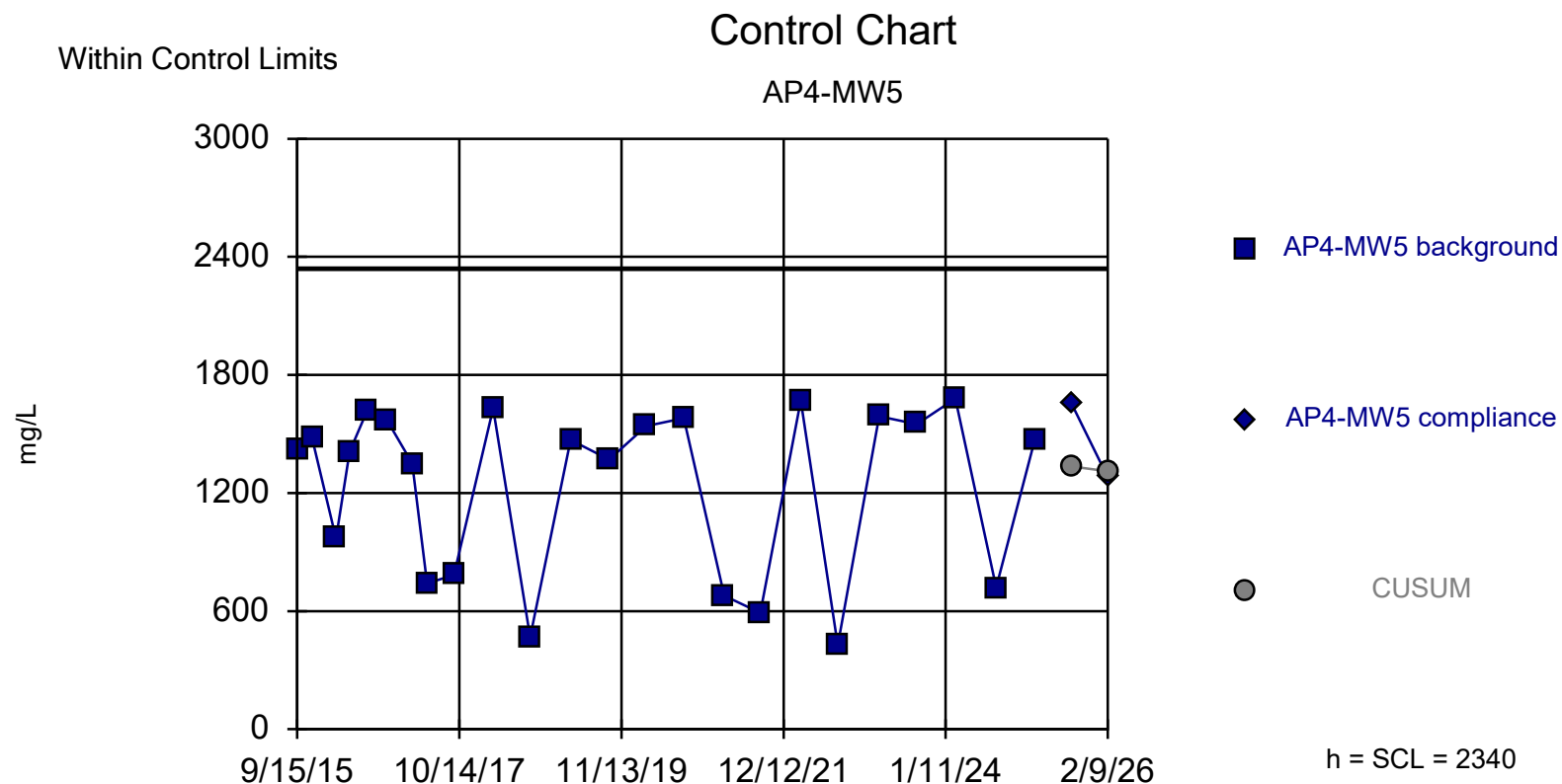
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Fluoride Analysis Run 3/24/2026 3:11 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



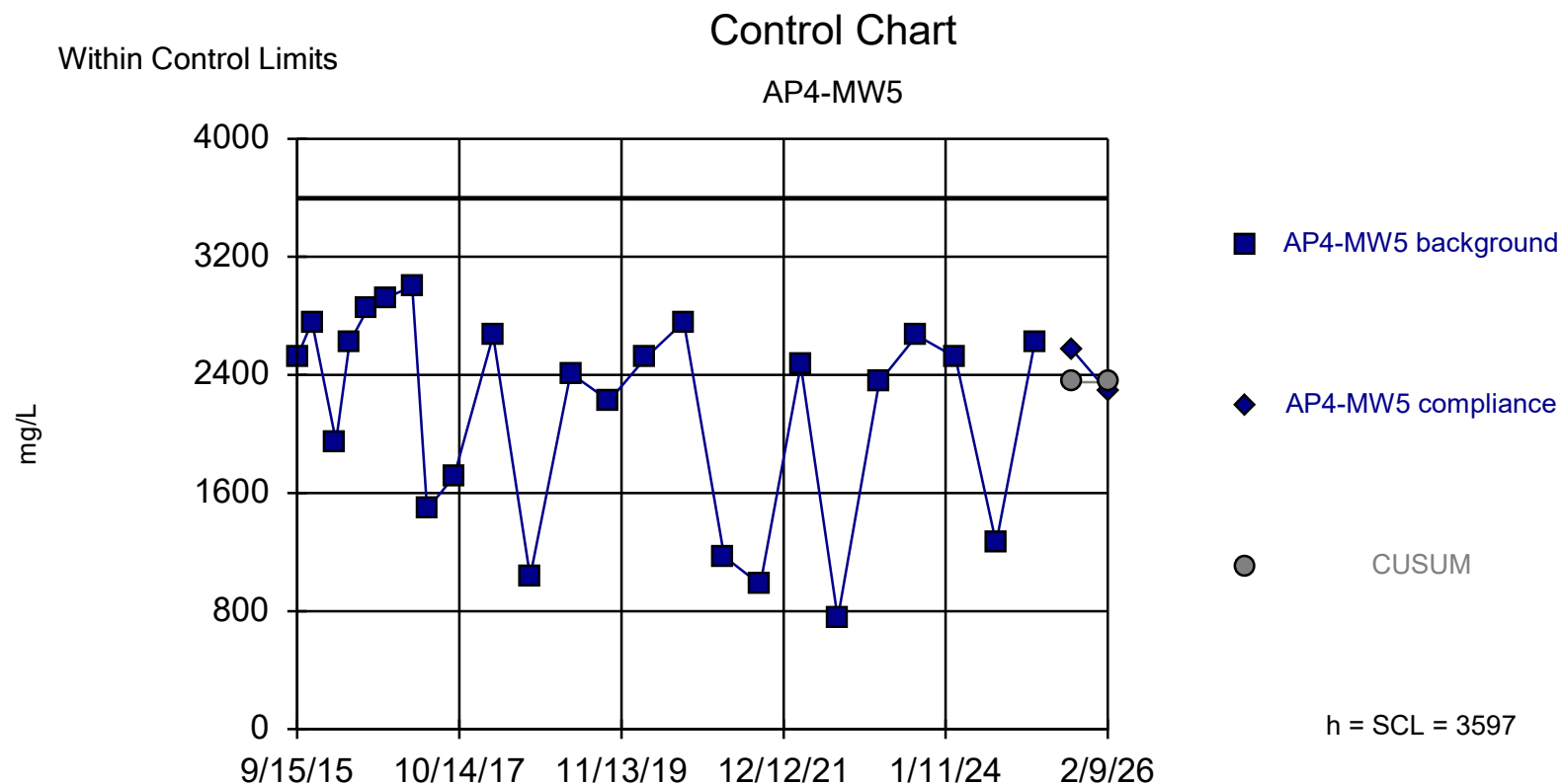
Background Data Summary: Mean=6.899, Std. Dev.=0.2022, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9657, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 3/24/2026 3:16 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Background Data Summary (based on square transformation): Mean=1716709, Std. Dev.=939402, n=24. Data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9323, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Sulfate Analysis Run 3/24/2026 3:16 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



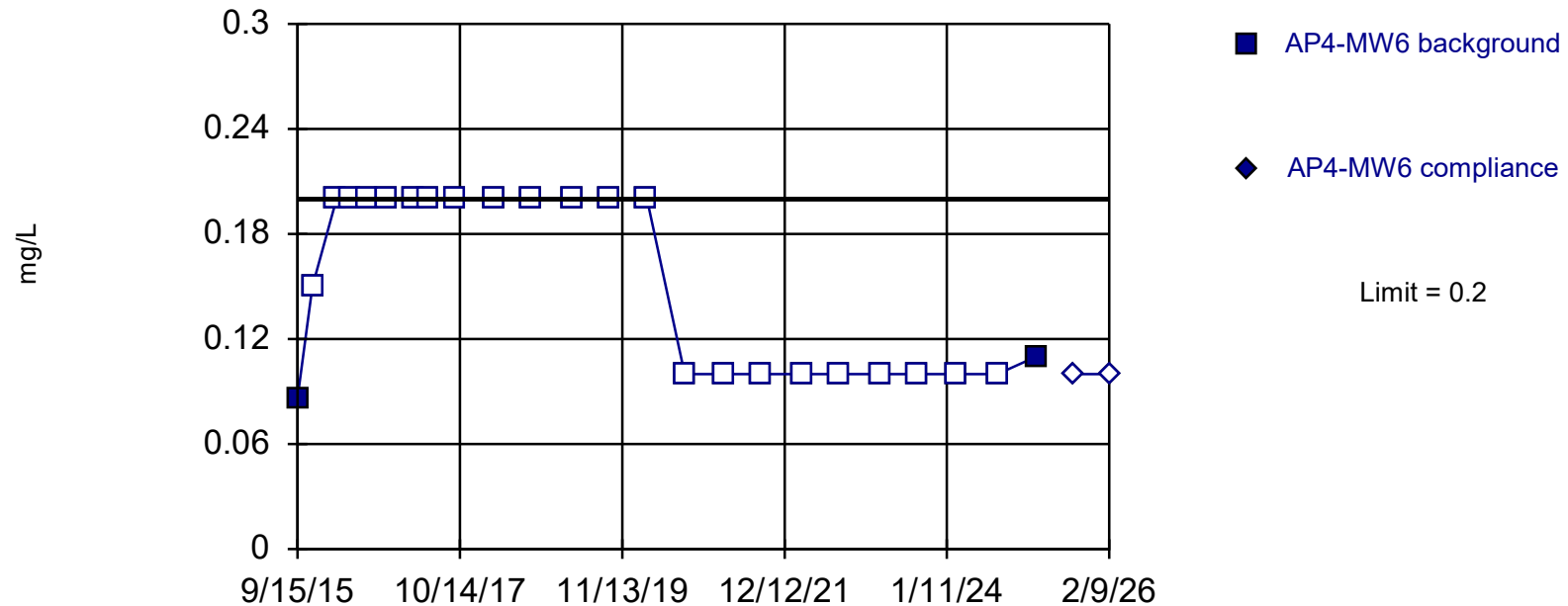
Background Data Summary (based on cube transformation): Mean=1.3e10, Std. Dev.=8.4e9, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9254, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Total Dissolved Solids Analysis Run 3/24/2026 3:17 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

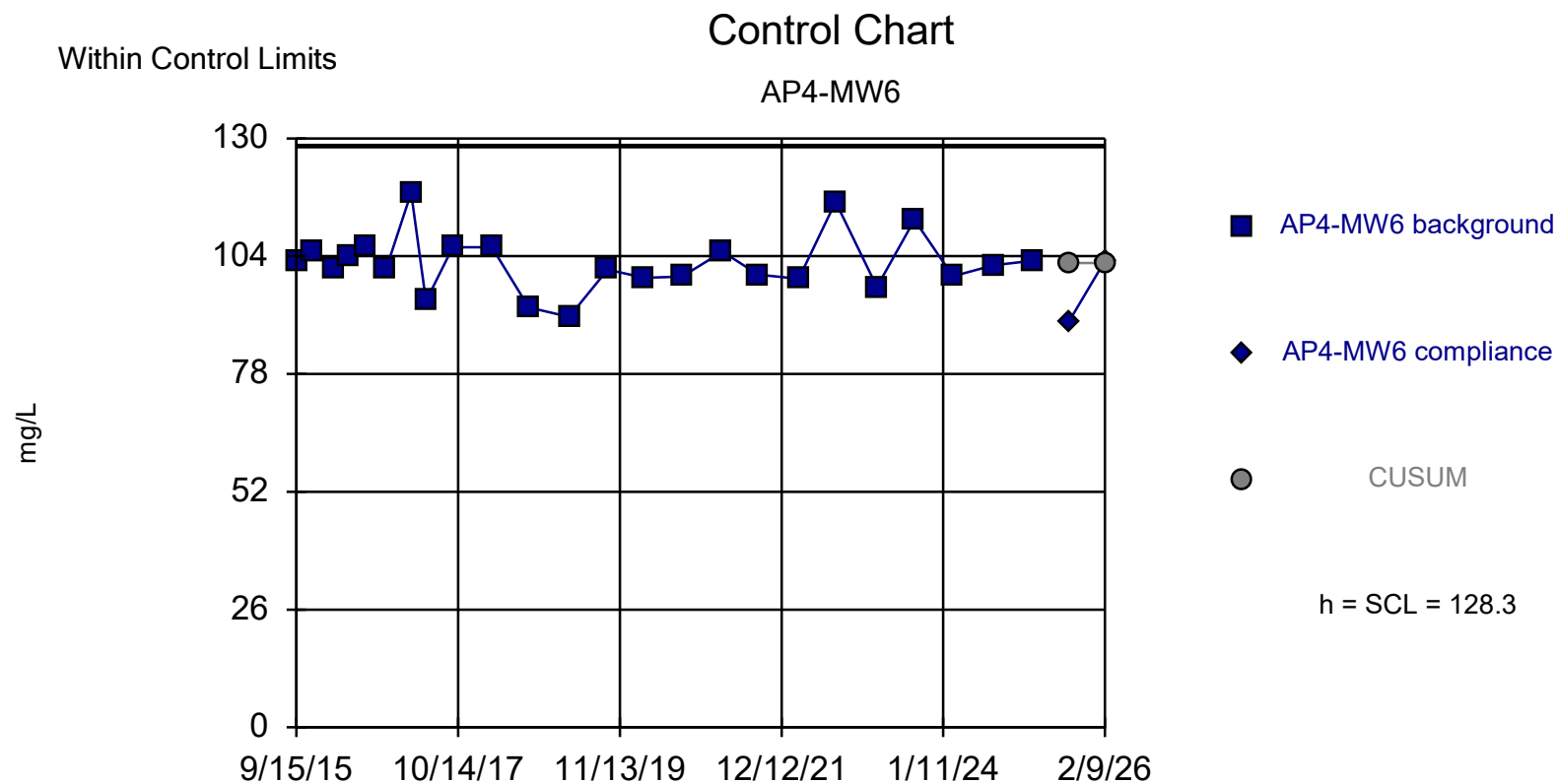
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

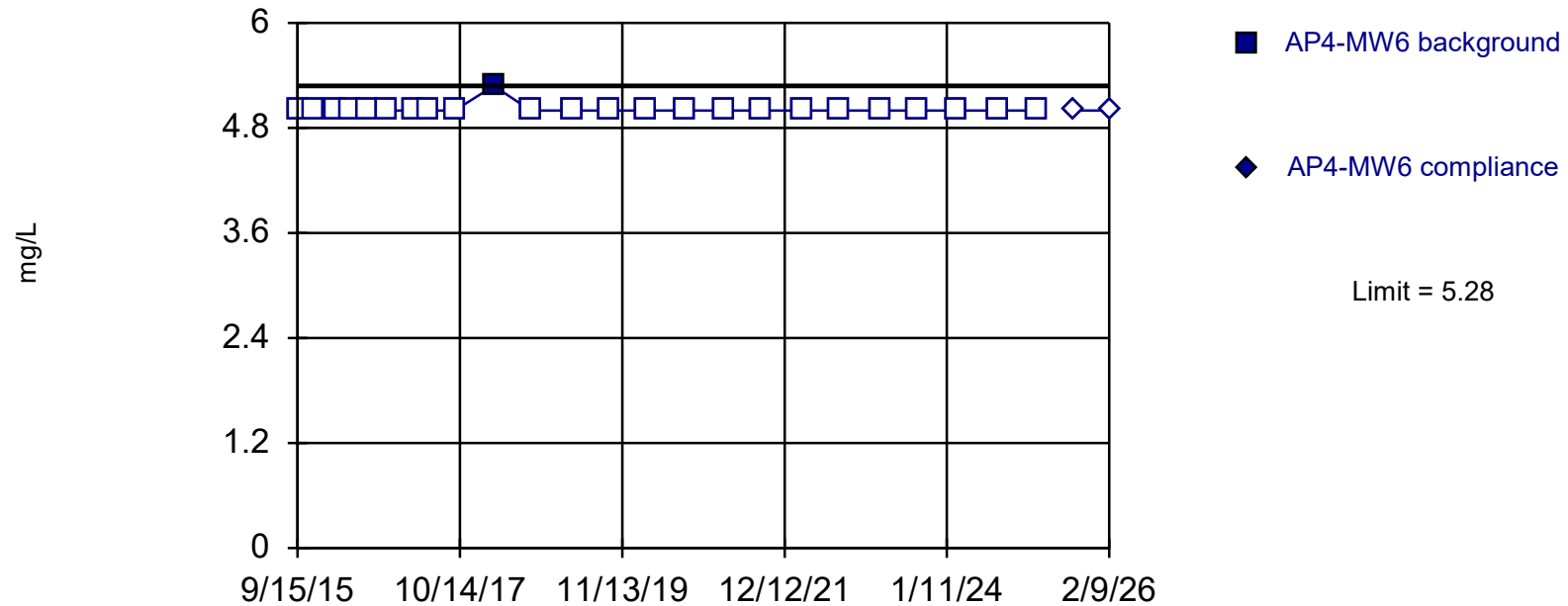
Constituent: Boron Analysis Run 3/24/2026 3:19 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Within Limit

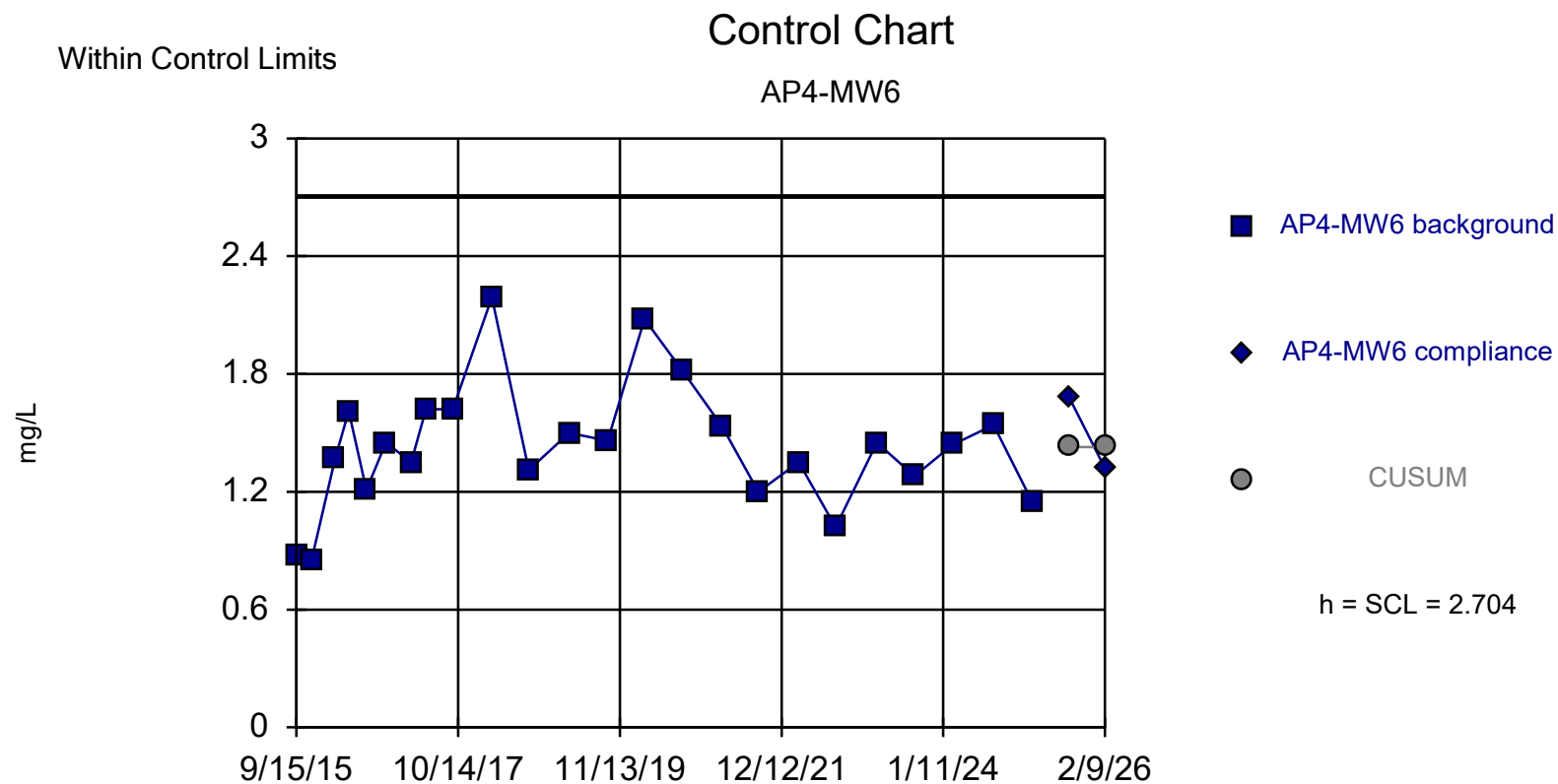
Prediction Limit

Intrawell Non-parametric



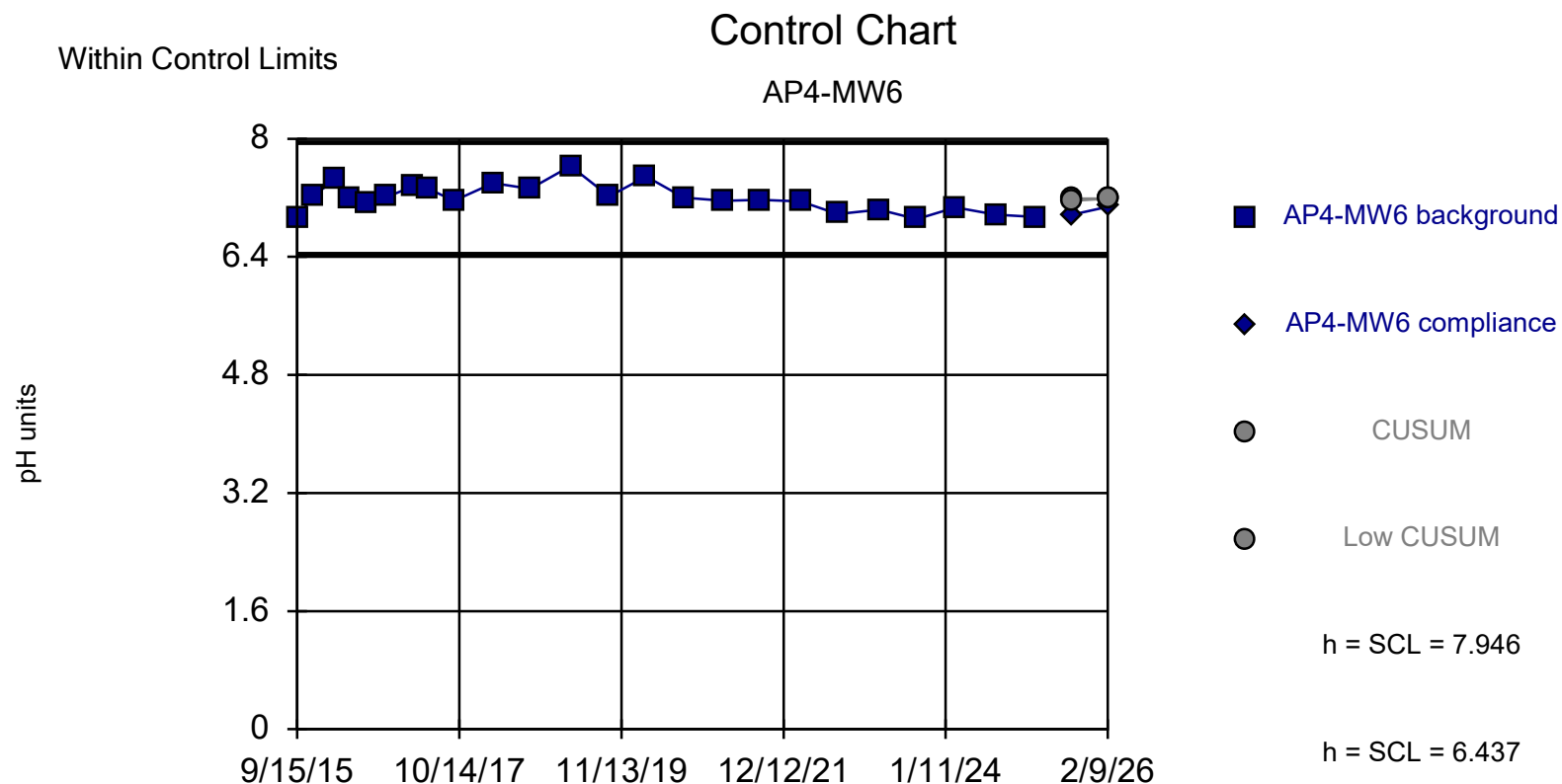
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 3/24/2026 3:20 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



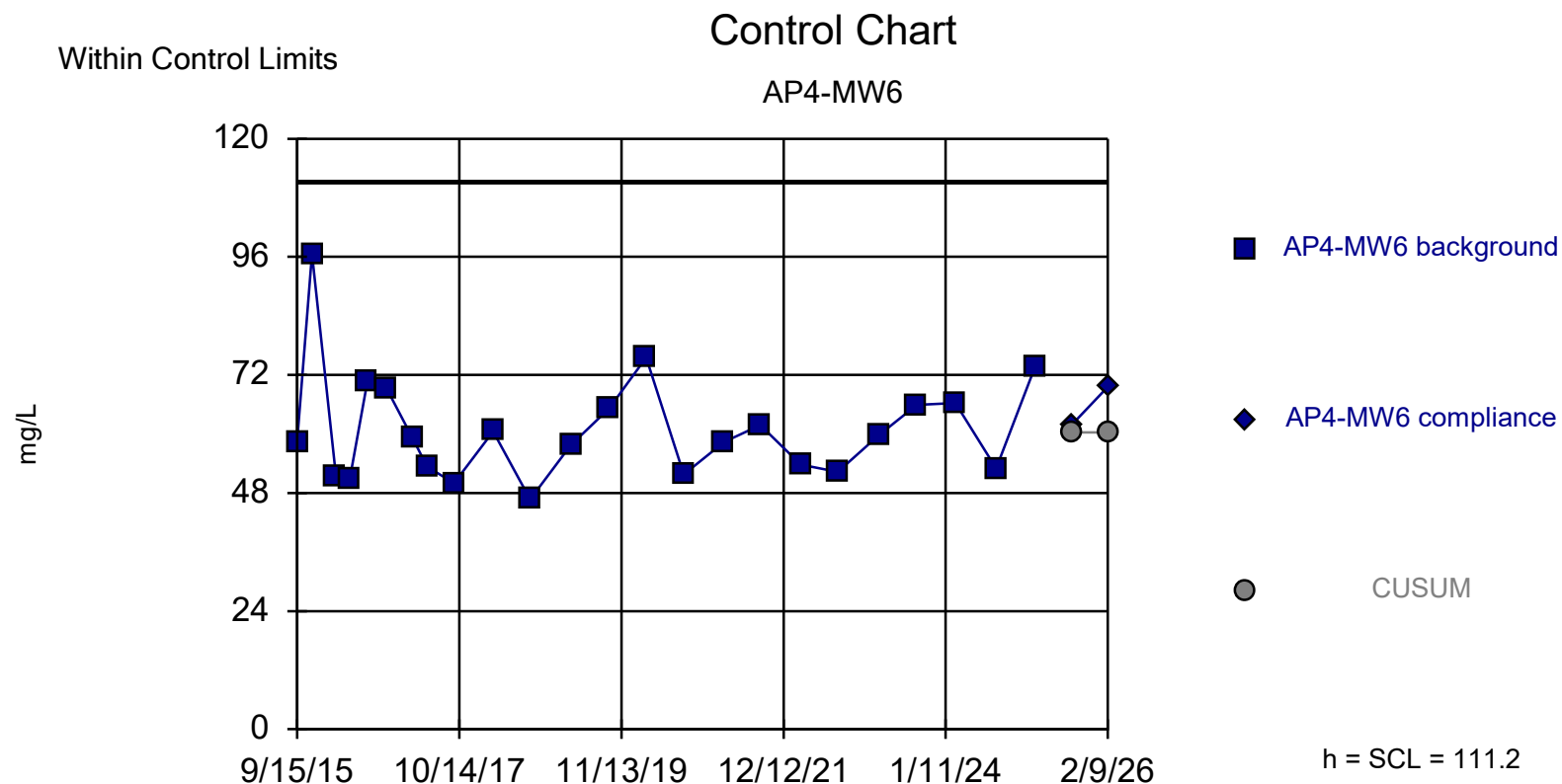
Background Data Summary: Mean=1.428, Std. Dev.=0.3192, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9542, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Fluoride Analysis Run 3/24/2026 3:21 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



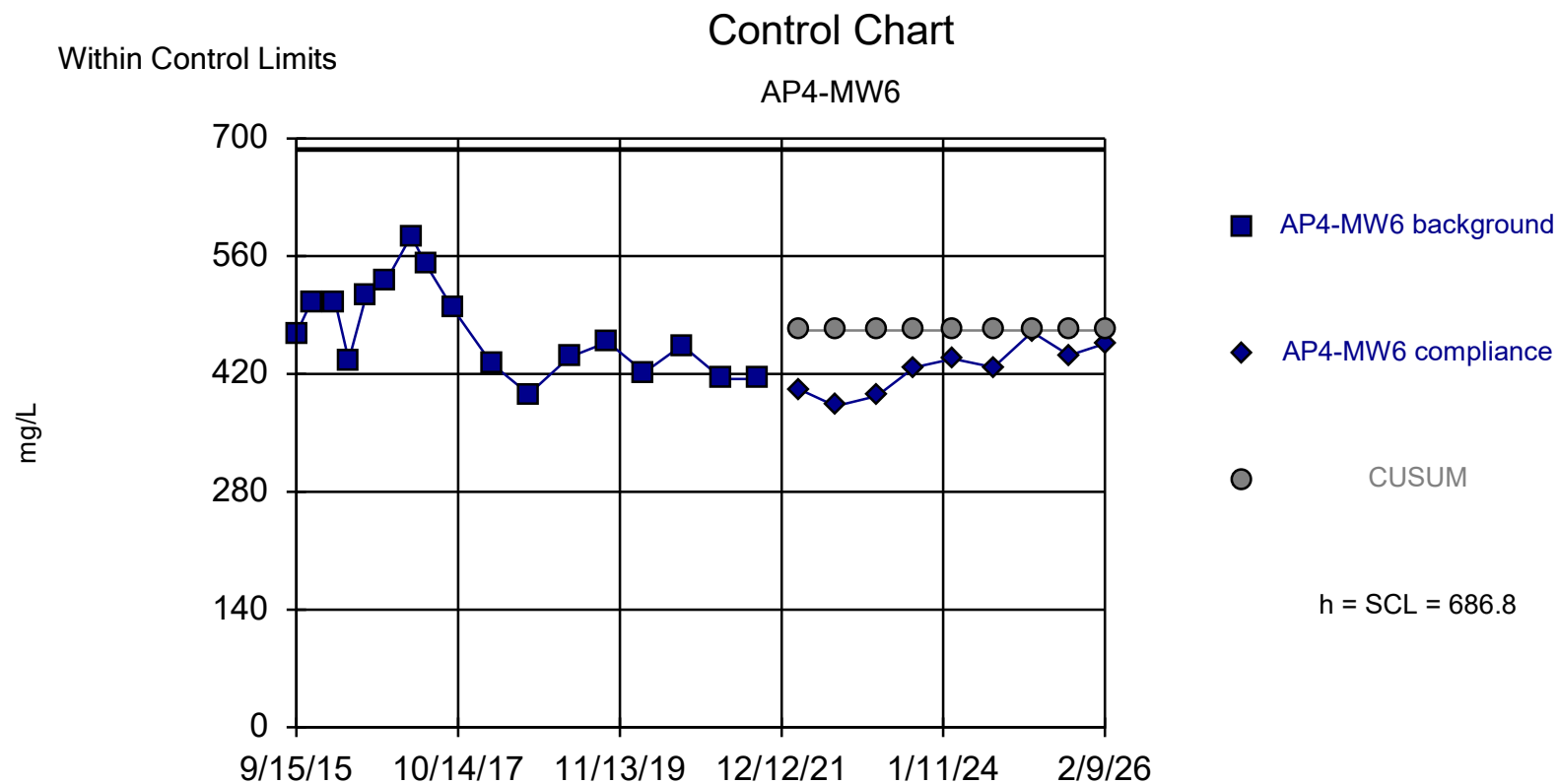
Background Data Summary: Mean=7.191, Std. Dev.=0.1886, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9613, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 3/24/2026 3:22 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Background Data Summary (based on cube root transformation): Mean=3.922, Std. Dev.=0.2216, n=24. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9182, critical = 0.916. Report alpha = 0.000518. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Sulfate Analysis Run 3/24/2026 3:24 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



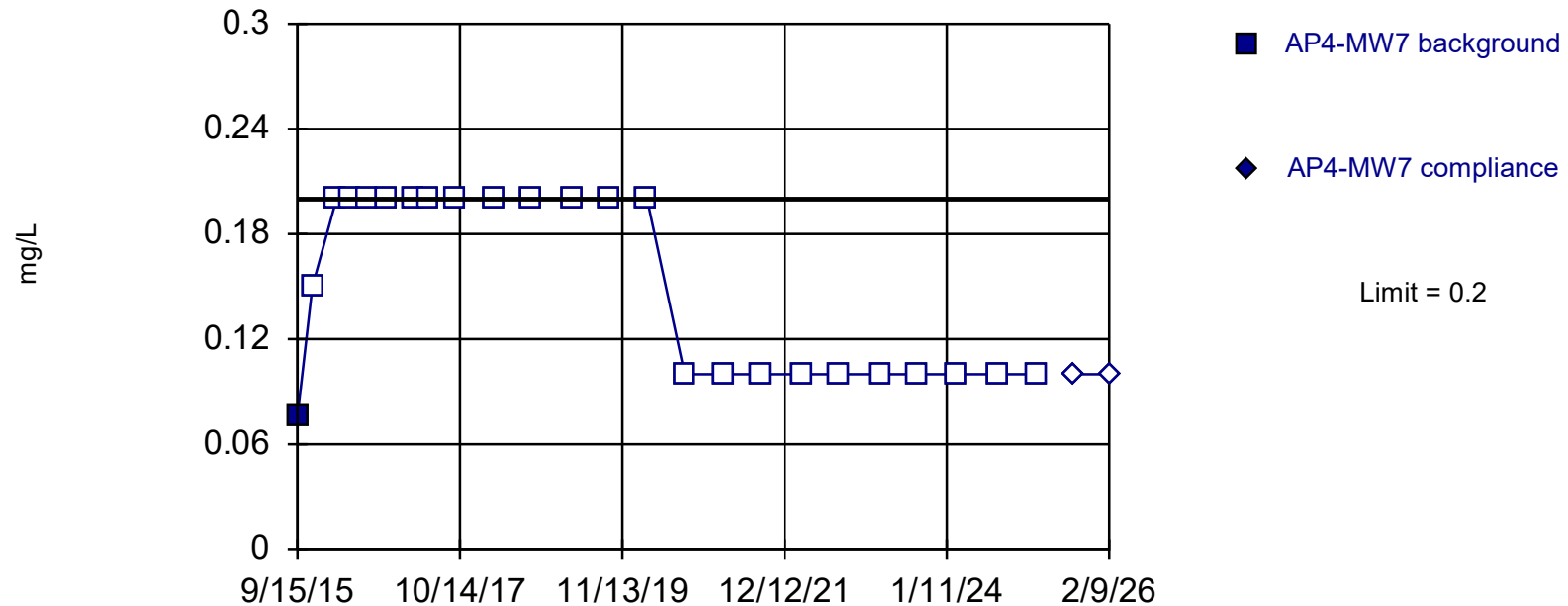
Background Data Summary: Mean=471.9, Std. Dev.=53.74, n=17. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9491, critical = 0.892. Report alpha = 0.00304. Dates ending 8/25/2021 used for control stats. Standardized h=4, SCL=4.

Constituent: Total Dissolved Solids Analysis Run 3/24/2026 3:24 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

Prediction Limit

Intrawell Non-parametric



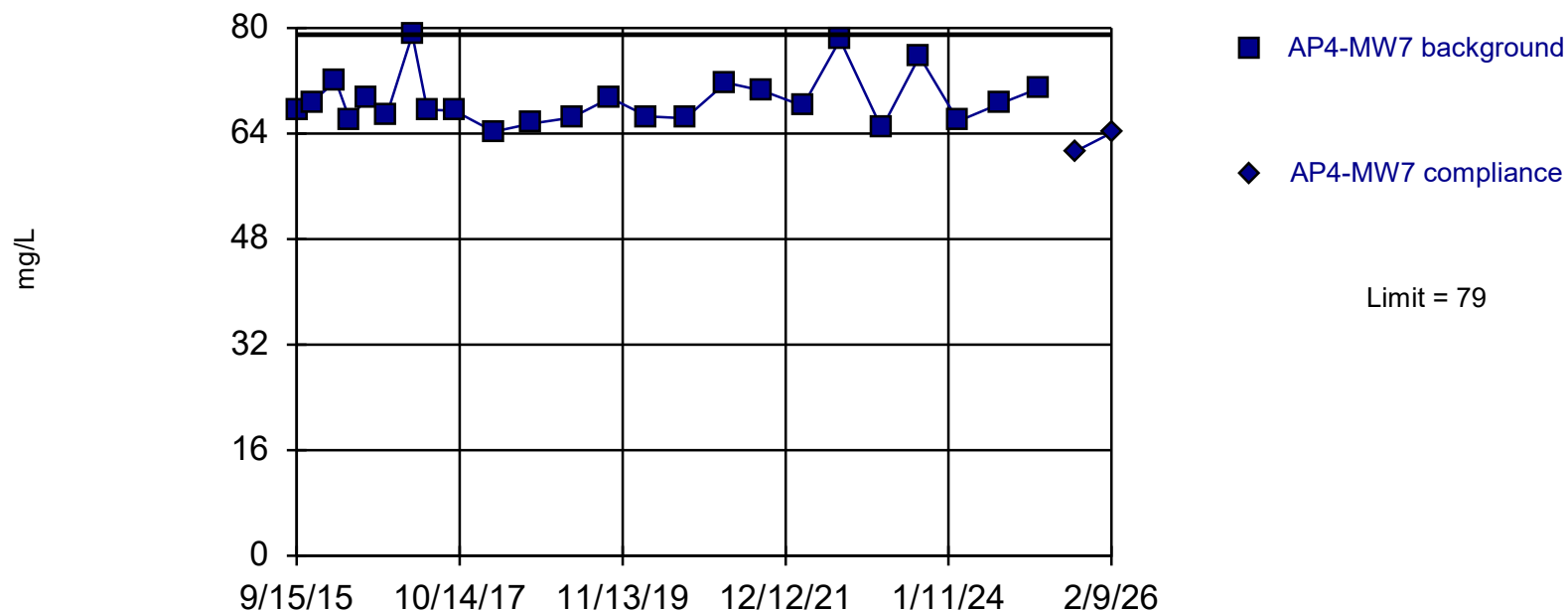
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 3/24/2026 2:02 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026

Within Limit

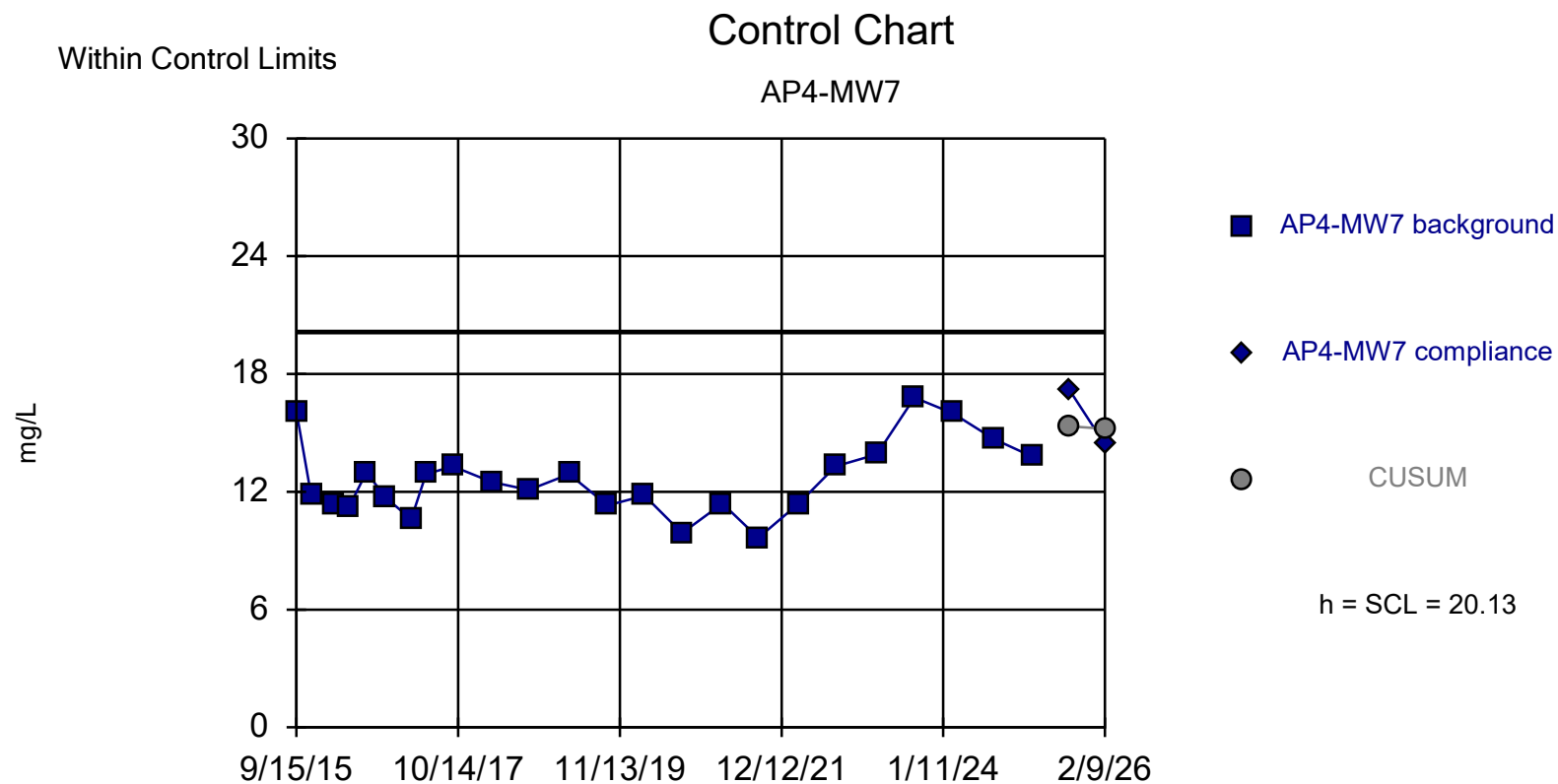
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 24 background values. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

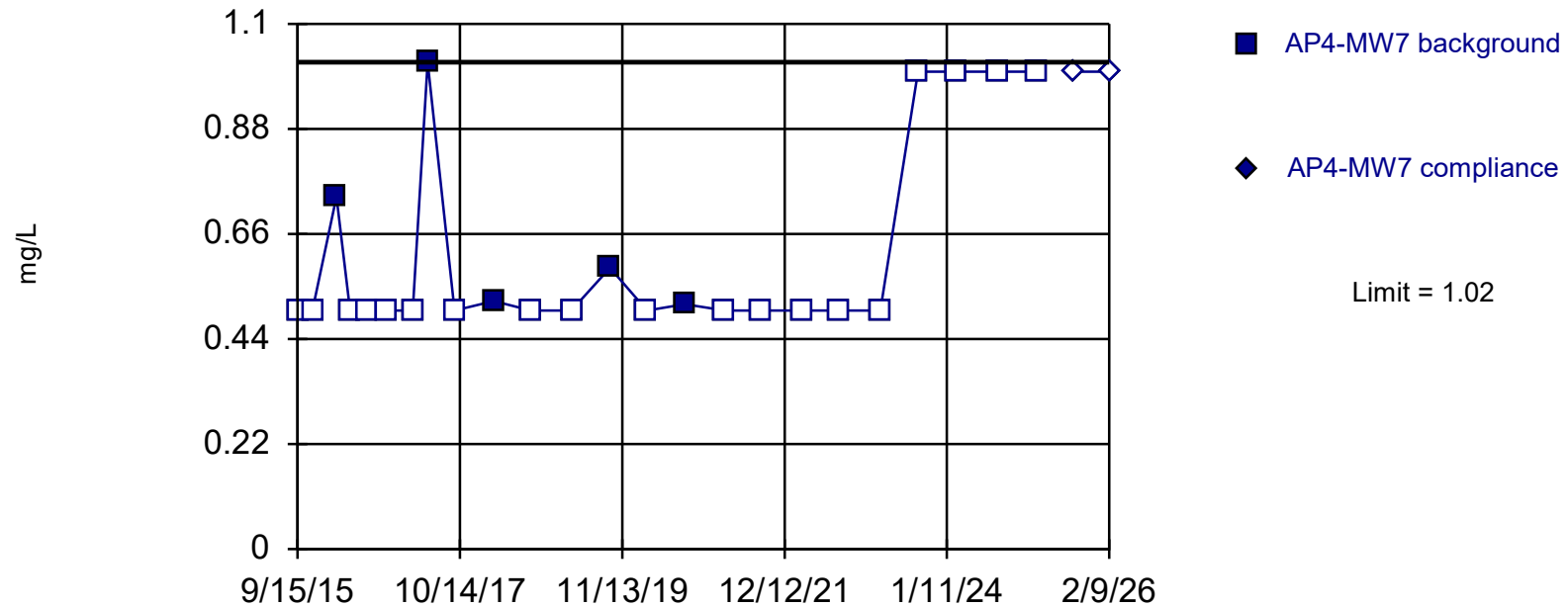
Constituent: Calcium Analysis Run 3/24/2026 2:02 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Within Limit

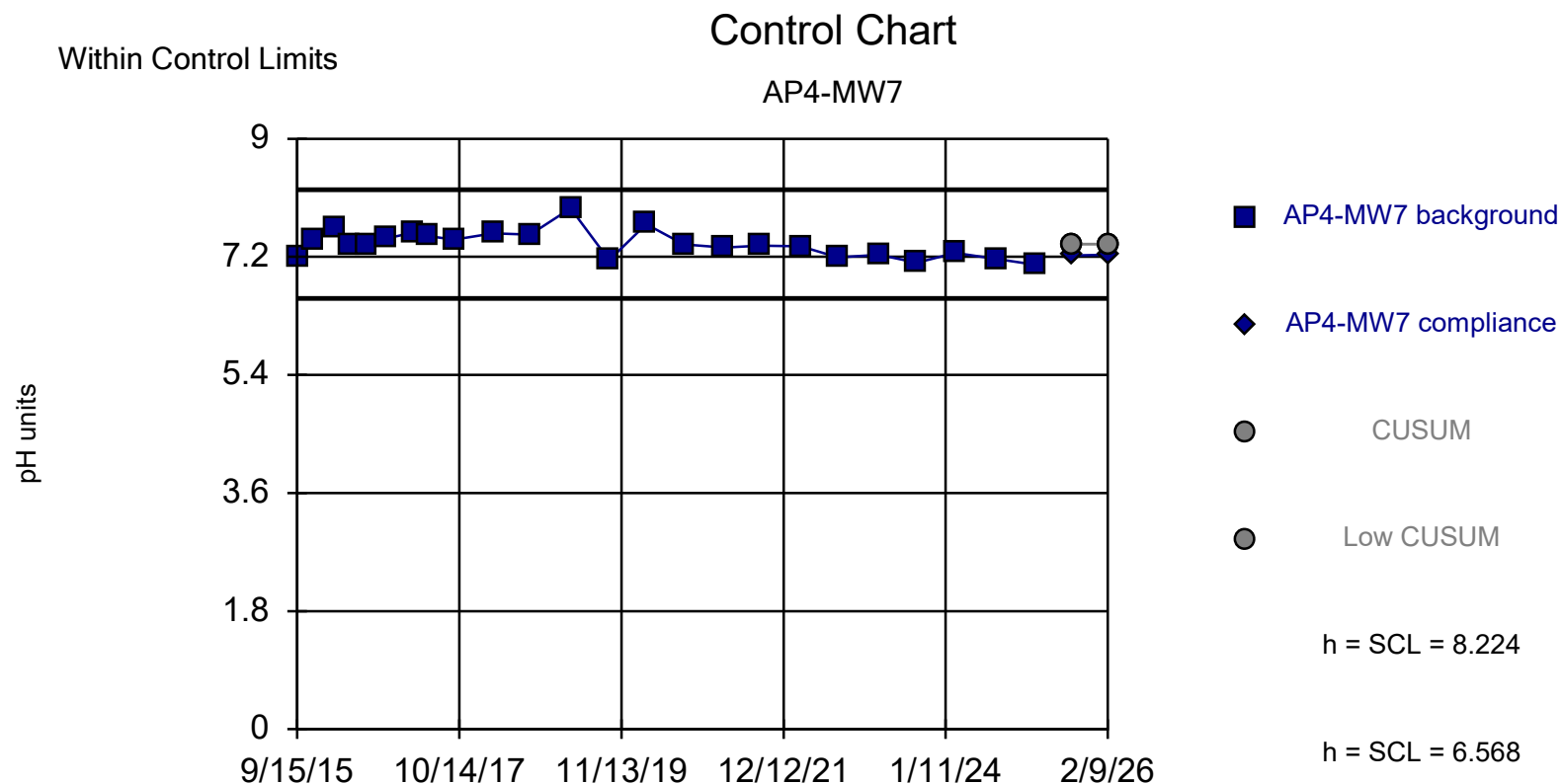
Prediction Limit

Intrawell Non-parametric



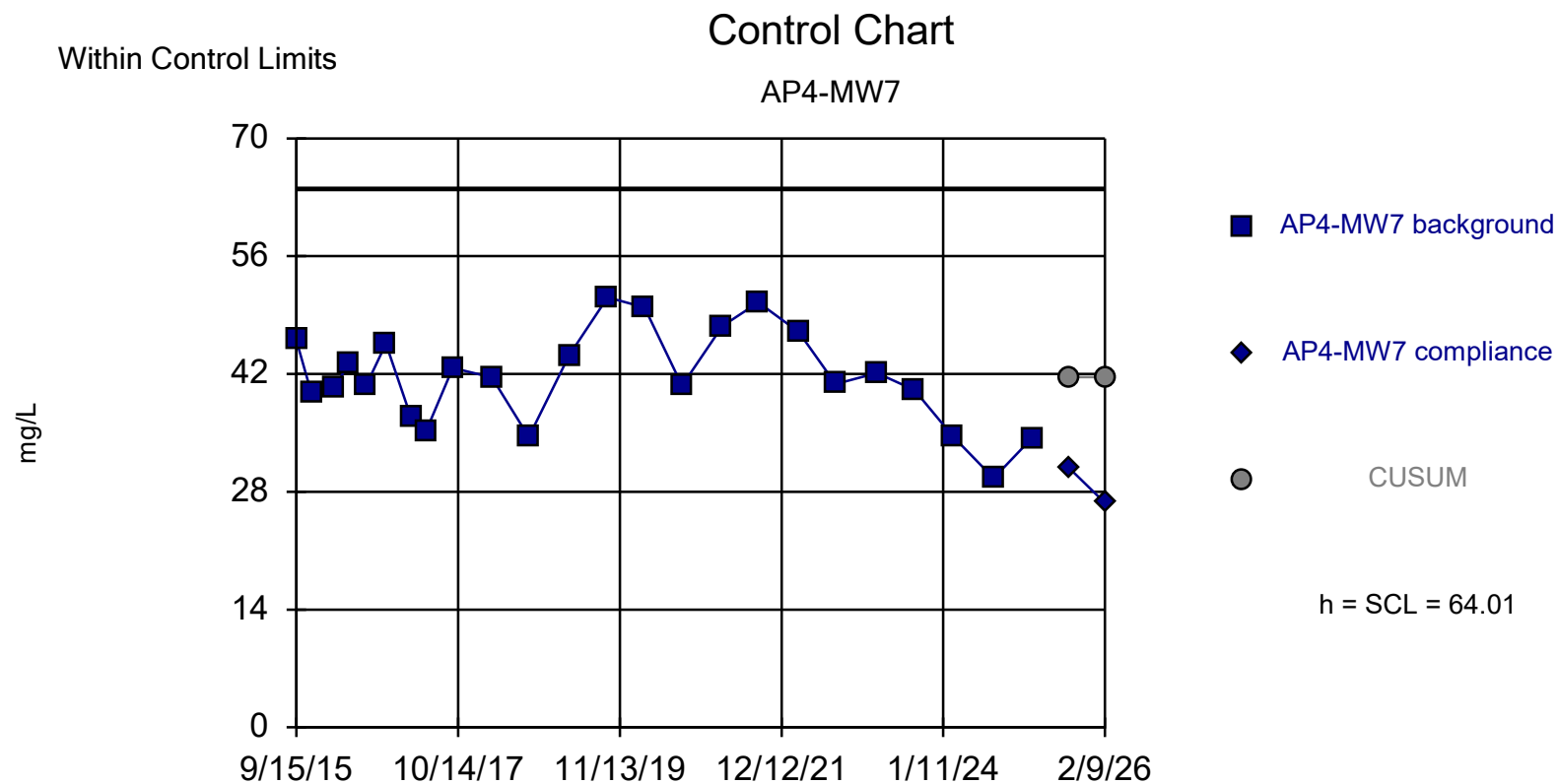
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

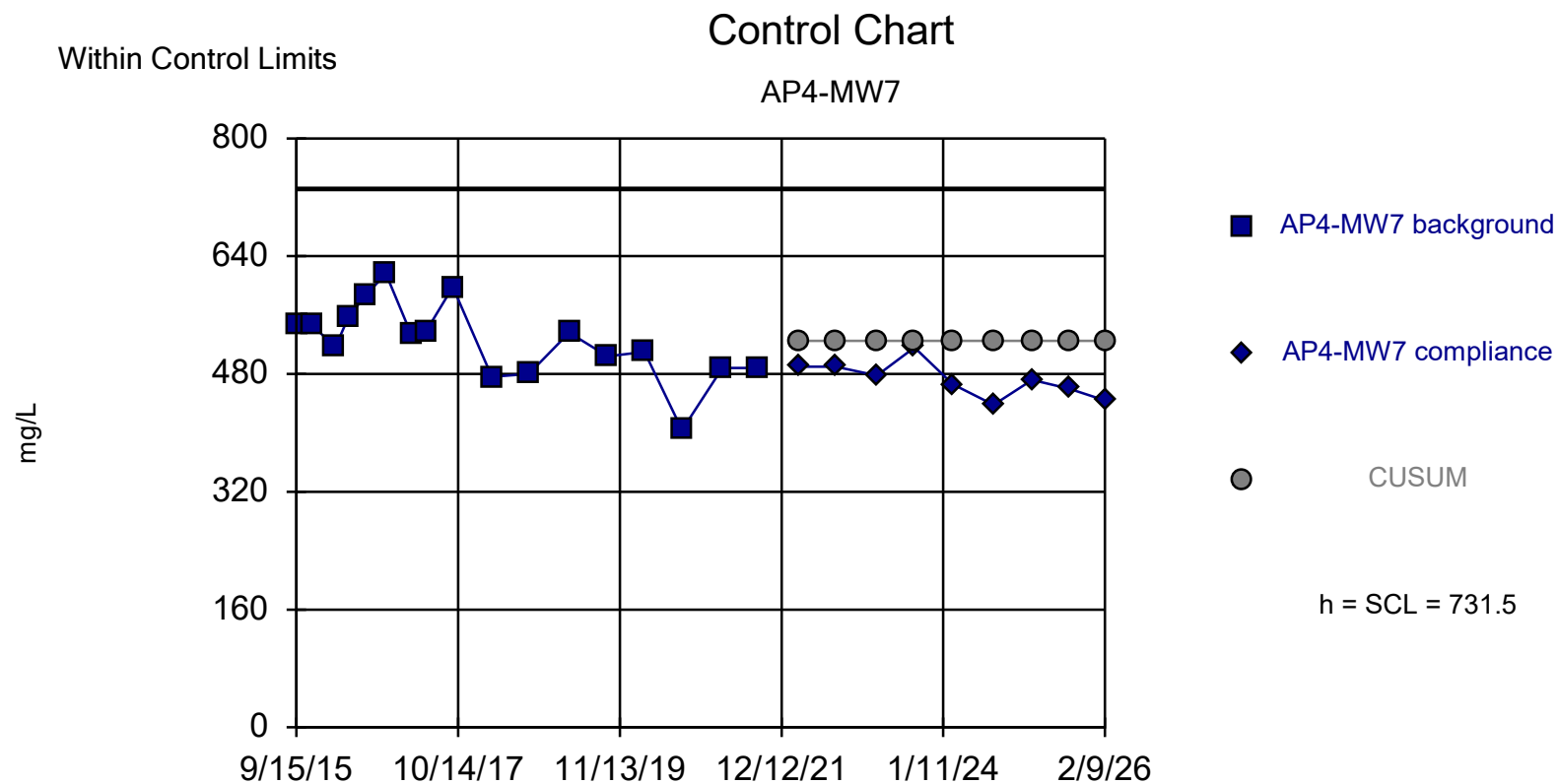
Constituent: Fluoride Analysis Run 3/24/2026 2:03 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026



Background Data Summary: Mean=7.396, Std. Dev.=0.207, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9625, critical = 0.916. Report alpha = 0.000508. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 3/24/2026 2:04 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q1-2026







Appendix B Q3 2026 Semi-Annual Report



Nebraska Public Power District, Sheldon
Station

Third Quarter 2026 Semi-Annual Groundwater Report

10-21-2026

US0054356.2344-003-RPT-0





Document distribution

Nebraska Public Power District, Sheldon Station

Third Quarter 2026 Semi-Annual Groundwater Report

10-21-2026
US0054356.2344-003-RPT-0

Prepared for

Nebraska Public Power District, Sheldon Station
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Submitted to

Nebraska Department of Water, Energy and Environment
Compliance Sector Supervisor, Land Management Division,
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Revisions

Rev	Date	Details
0	2026-10-21	Final submission for client

Table of contents

1.	Introduction	6
1.1	Facility information	6
1.2	Purpose	6
2.	Groundwater monitoring network program status	7
2.1	Completed key actions in third quarter 2026	7
2.2	Installation and decommissioning of monitoring wells	7
2.3	Problems and resolutions	7
2.4	Proposed key activities for 2027	8
3.	Groundwater monitoring analytical program status	9
3.1	Samples collected	9
3.1.1	Groundwater elevation and flow rate	9
3.2	Monitoring data (analytical results)	10
3.3	Comparative statistical analysis	10
3.3.1	Definitions	10
3.3.2	Potential exceedances	11
3.3.3	False positives	11
3.3.4	Verified exceedances	11
3.4	Program transitions	11
3.4.1	Detection monitoring	11
3.4.2	Alternative source demonstrations	11
3.4.3	Assessment monitoring	12
3.4.4	Corrective measures assessment	12
4.	Recommendations and closing	13
	References	14



Tables

- Table 1: Data summary table – AP4-MW1 (U)
- Table 2: Data summary table – AP4-MW2 (U)
- Table 3: Data summary table – AP4-MW7 (U)
- Table 4: Data summary table – AP4-MW3
- Table 5: Data summary table – AP4-MW4
- Table 6: Data summary table – AP4-MW5
- Table 7: Data summary table – AP4-MW6
- Table 8: Sheldon Station ash landfill No. 4 groundwater Levels
- Table 9: Comparative statistics – AP4-MW1 (U)
- Table 10: Comparative statistics – AP4-MW2 (U)
- Table 11: Comparative statistics – AP4-MW7 (U)
- Table 12: Comparative statistics – AP4-MW3
- Table 13: Comparative statistics – AP4-MW4
- Table 14: Comparative statistics – AP4-MW5
- Table 15: Comparative statistics – AP4-MW6

Figures

- Figure 1: Ash landfill No. 4, groundwater contours, August 2026
- Figure 2: Ash landfill No. 4, groundwater elevations

- Appendix A Analytical report and chain-of custody documentation
- Appendix B Field notes
- Appendix C Time series data
- Appendix D Comparative statistical analysis

1. Introduction

WSP USA Inc. (WSP) has prepared this report describing the second 2026 semi-annual groundwater sampling event and comparative statistical analysis for Nebraska Public Power District's (NPPD) Sheldon Station Ash Landfill No. 4 (AP4) in Hallam, Nebraska. This report was written to meet the requirements of the site's permitted Sampling and Analysis Plan (SAP; GAUSA 2022a), as approved by the Nebraska Department of Water, Energy, and Environment (NDWEE), and the federal Coal Combustion Residuals (CCR) Rule's sections on groundwater monitoring and corrective action, 40 Code of Federal Regulations (CFR) 257.90-98 and applicable revisions to the Rule.

1.1 Facility information

Sheldon Station is owned and operated by NPPD and can generate 225 megawatts (MW) of power. The facility is located in southeastern Nebraska in Section 19, T7N, R6E, and is 18 miles south of Lincoln in Lancaster County. The village of Hallam is the closest community to the site and is 1.5 miles south of the facility. NPPD constructed Sheldon Station in 1958, switching the facility entirely to low-sulfur coal from Wyoming's Powder River Basin in 1974. The active CCR landfill at the site (AP4) contains fly ash and bottom ash.

1.2 Purpose

The United States Environmental Protection Agency's (USEPA) CCR Rule established specific requirements for reporting of groundwater monitoring and corrective action at CCR facilities in 40 CFR 257.90 to 40 CFR 257.98 (USEPA 2015). The permitted SAP for AP4 was developed to comply with both the federal CCR regulations and NDWEE requirements (GAUSA 2022a). Under the NDWEE reporting requirements, reports are prepared on a semi-annual basis, following each sampling event.

2. Groundwater monitoring network program status

The groundwater monitoring network for the active CCR landfill at Sheldon Station consists of seven monitoring wells as shown in Figure 1. The three upgradient monitoring wells are AP4-MW1, AP4-MW2 and AP4-MW7, which are marked by (U) throughout the text. The four downgradient monitoring wells are AP4-MW3, AP4-MW4, AP4-MW5, and AP4-MW6.

Prior to the Q3 2025 event, AP4-MW7 was classified as a downgradient well. Following discussion with the NDWEE, AP4-MW7 has been reclassified as an upgradient location (WSP 2025a).

2.1 Completed key actions in third quarter 2026

The following activities occurred during the third quarter of 2026:

- A detection monitoring sampling event was completed during the third quarter of 2026.

2.2 Installation and decommissioning of monitoring wells

No monitoring wells were installed or decommissioned at Sheldon Station during the third quarter of 2026.

2.3 Problems and resolutions

During sample collection for the third quarter 2026 monitoring event, prior to the start of purging, the water level at AP4-MW2 (U) was below the top of the dedicated pump. The water level was not able to be recorded, and a sample was not able to be collected from the well. The change in water level is attributed to ongoing low recharge conditions. Changes to the available water column and water quality will continue to be monitored in future monitoring events.

During the third-quarter 2026 monitoring event, analysis by Method 9056A required dilution due to the sample matrix, resulting in non-detects with elevated reporting limits for several well-parameter pairs. Results are consistent with past results and required dilutions. The following well-parameter pairs were reported as non-detects with elevated reporting limits:

- Chloride, 5× dilution factor, elevated reporting limit equals 5.0 milligrams per liter (mg/L): AP4-MW3, AP4-MW4, and AP4-MW6
- Fluoride, 5× dilution factor, elevated reporting limit equals 1.00 mg/L: AP4-MW1, AP4-MW5, and AP4-MW7



The reported values are consistent with observed concentrations and reporting limits from recent sampling events.

No changes were made to the analytical reporting as a result of the review. No other problems were encountered as part of the field sampling or analysis in the third quarter of 2026.

2.4 Proposed key activities for 2027

Detection monitoring sampling events are scheduled to occur in the first quarter (Q1) and Q3 of 2027 and will consist of sampling, data review and comparative statistics. Following each detection monitoring sampling event, a semi-annual report will be provided to the NDWEE.

3. Groundwater monitoring analytical program status

Analytical activities associated with the groundwater monitoring program are described below.

3.1 Samples collected

NPPD staff collected eight initial baseline samples on a quarterly basis between September 15, 2015, and May 16, 2017, at each of the upgradient and downgradient monitoring wells. Detection monitoring samples have been collected on a semi-annual basis beginning on September 19, 2017. This report outlines the results of the detection monitoring sampling event that occurred on August 25, 2026. Specific dates for each sample collected as part of the program are provided in Table 1 through Table 7. The analytical report for the results of samples collected August 25, 2026, is included as Appendix A and the associated field notes are included as Appendix B.

3.1.1 Groundwater elevation and flow rate

Groundwater elevations are measured in each well during each sampling event prior to purging. Elevation measurements can be found in Table 8. Groundwater elevations and interpolated groundwater contours from the August 2026 (third quarter [Q3] 2026) detection monitoring sampling event are shown in Figure 1. Figure 2 shows groundwater elevations over time at the site.

The groundwater flow rate across Ash Pond 4 was estimated with the equation $V_s = k \times i / n_e$, where:

- V_s is the groundwater flow rate, in feet per day (ft/day).
- k is the hydraulic conductivity in ft/day, estimated at 0.005 ft/day from slug testing results from system wells.
- i is the hydraulic gradient in feet per foot (ft/ft), calculated based on groundwater elevations during each monitoring event.
- n_e is the effective porosity, a unitless parameter, estimated to be 0.2 for site soils.

The average groundwater flow rate for August 2026 from AP4-MW1 towards the three downgradient wells was estimated to be 6.2×10^{-4} ft/day, based on the calculated hydraulic gradient for August 2026 of 0.025 ft/ft. Calculations for the current event have been made using only the measurement from AP4-MW1, based on the water level at AP4-MW2 having been below the pump, preventing measurement.

3.2 Monitoring data (analytical results)

Analytical results for the detection monitoring results for the August 2026 monitoring event are shown in Table 1 through Table 7. Time series of the parameters are included as Appendix C.

3.3 Comparative statistical analysis

Comparative statistical analysis was conducted using the baseline update conducted using data collected through the Q1 2025 detection monitoring event and provided to the NDWEE (WSP 2025b) following guidance provided by the USEPA (USEPA 2009). The results of the comparative statistical analysis are summarized below and presented in Table 9 through Table 15. A full description of the steps taken for the comparative statistical analysis can be found in the Groundwater Monitoring Statistical Methods Certification (GAI 2017a). Charts for the comparative statistical analysis are included as Appendix D.

3.3.1 Definitions

The following definitions are used in discussion of the comparative statistical analysis:

- Statistically Significant Increase (SSI) – defined as a result that exceeds the statistical limit established by the baseline statistical analysis, which has been verified by confirmatory re-sampling and analysis.
- Elevated CUSUM – occurs when the calculated CUSUM (cumulative summation) value is greater than the Shewhart-CUSUM limit established by the baseline statistical analysis, but the analytical result does not exceed the Shewhart-CUSUM limit. An elevated CUSUM is an indication that concentrations are gradually increasing and that analytical results may exceed the Shewhart-CUSUM limit in the future. In the case of two-tailed analysis for field pH, an elevated CUSUM can also occur below the lower Shewhart-CUSUM statistical limit.
- Potential exceedance – defined as an initial elevated CUSUM or an analytical result that exceeds the Shewhart-CUSUM limit or non-parametric prediction limit established by the baseline statistical analysis. Confirmatory re-sampling will determine whether a potential exceedance is a false positive or a verified SSI. Non-detect results that exceed either the Shewhart-CUSUM limit or the non-parametric prediction limit are not considered potential exceedances.
- False positive – defined as an analytical result or elevated CUSUM that exceeded the associated statistical limit, but can be clearly attributed to laboratory error, changes in analytical precision, or is invalidated through confirmatory re-sampling. False positives are not used in calculation of any subsequent CUSUM values.
- Confirmatory re-sampling – designated as the next sampling event.
- Verified exceedances (verified SSIs) – interpreted as two consecutive samples exceeding the statistical limit (the original sample and the confirmatory re-sample, or two consecutive elevated CUSUMs) for the same parameter at the same well.



3.3.2 Potential exceedances

No potential exceedances were identified for the Q3 2026 detection monitoring sampling event.

3.3.3 False positives

No false positives were identified for the Q3 2026 detection monitoring sampling event.

3.3.4 Verified exceedances

No verified SSIs were identified for the Q3 2026 detection monitoring sampling event.

3.4 Program transitions

Beginning in Q3 2017, the groundwater monitoring program at Sheldon Station transitioned from the initial baseline period to detection monitoring. During the initial baseline period, eight independent samples from each well within the program were collected and analyzed for the constituents listed in Appendix III and Appendix IV of the federal CCR Rule prior to October 17, 2017, as specified in 40 CFR 257.94(b).

3.4.1 Detection monitoring

Samples for the detection monitoring program are collected on a semi-annual basis, beginning with the sample collected in September 2017. NPPD plans to continue to collect semi-annual samples under the detection monitoring program in the first quarter of 2027.

3.4.2 Alternative source demonstrations

As a result of the verified SSI for sulfate at AP4-MW1 (U) verified during the Q1 2022 detection monitoring event, NPPD and Golder pursued an alternative source demonstration (ASD) (GAUSA 2022C). As an upgradient background location, groundwater from AP4-MW1 flows north towards the landfill, as shown in Figure 1. As such, AP4 is not considered the source of the verified SSI at AP4-MW1. A review of relevant site conditions and associated information was completed within 90 days of identification of the verified SSI and presented as an ASD. Following completion of the successful ASD and concurrence of the NDWEE (formerly the NDEE) (NDEE 2022), Sheldon Station's AP4 remains in detection monitoring.

As a result of the verified SSI for field pH at AP4-MW7 (U) verified during the Q1 2025 detection monitoring event, NPPD and WSP pursued an ASD (WSP 2025c). The SSI for field pH was attributed to natural variability within the groundwater system and instrument variability within the pH probe. As such, AP4 is not considered the source of the verified SSI at AP4-MW7. A review of relevant site conditions and associated information was completed within 90 days of identification of the verified SSI and presented as an ASD. Following completion of the successful ASD and concurrence of the NDWEE (NDWEE 2025), Sheldon Station's AP4 remains in detection monitoring. As part of the concurrence of



the NDWEE, AP4-MW7 was reclassified as an upgradient well. A memo was provided to the NDWEE detailing the site conditions and reclassification of AP4-MW7 at the request of the NDWEE (WSP 2025a).

3.4.3 Assessment monitoring

The current groundwater monitoring program at Sheldon Station is not in assessment monitoring. Assessment monitoring has not been triggered as described in the permitted SAP (GAUSA 2022a).

3.4.4 Corrective measures assessment

The current groundwater monitoring program at Sheldon Station does not indicate the need for corrective measures. An assessment of corrective measures has not been required. No ASD stemming from statistically significant levels of Appendix IV parameters identified as part of an assessment monitoring program has been made. No actions are required at this time.

4. Recommendations and closing

This report presents the results from the detection monitoring sampling event that occurred August 25, 2026, along with the associated comparative statistical analysis.

As described in the Groundwater Monitoring System Certification (GAI 2017b) and the Groundwater Monitoring Statistical Methods Certification (GAI 2017a), the groundwater monitoring and analytical procedures meet the general requirements of the CCR Rule and the permitted SAP (GAUSA 2022a), and modifications to the monitoring network and sampling program are not recommended at this time.

References

- GAI (Golder Associates, Inc.). 2017a. Groundwater monitoring statistical methods certification, Sheldon Station Ash Landfill No. 4. October 11, 2017.
- GAI. 2017b. Coal Combustion Residuals landfill groundwater monitoring system certification. October 11, 2017.
- GAUSA (Golder Associates USA Inc.). 2022a. Sampling and analysis plan Permit No. NE0204285, Sheldon Station Ash Landfill No. 4. March 1, 2022.
- GAUSA. 2022c. Alternate source demonstration for sulfate at upgradient location AP4-MW1. July 20, 2022.
- NDEE (Nebraska Department of Environment and Energy). 2022. Response to MW-1 sulfate alternate source demonstration (ASD). Letter from Wade Gregson (NDEE) to Brian J. Kozisek (NPPD). August 19, 2022.
- NDWEE (Nebraska Department of Water, Energy, and Environment). 2025. NDWEE's Review comments and approval for NPPD Sheldon Station Fossil Fuel Combustion Ash Landfill No. 4 alternative source demonstration for field pH at monitoring well AP4-MW7. August 7, 2025.
- USEPA (United States Environmental Protection Agency). 2009. Statistical Analysis of groundwater monitoring data at RCRA facilities – Unified guidance. Office of Resource Conservation and Recovery. EPA-R-09-007. March 2009.
- USEPA. 2015. Code of Federal Regulations Title 40 Part 257: Hazardous and solid waste management system; disposal of coal combustion residuals from electric utilities. April 17, 2015.
- WSP (WSP USA Inc.). 2025a. Sheldon Station – Ash Landfill No. 4 groundwater monitoring network review. October 2, 2025.
- WSP. 2025b. Baseline update for groundwater quality monitoring at Nebraska Public Power District's Sheldon Station Ash Landfill No. 4. October 1, 2025.
- WSP. 2025c. Alternative source demonstration for field pH at AP4-MW7, Sheldon Station Ash Landfill No 4. Revision 2. September 5, 2025.

wsp

Tables



Table 1. Data Summary Table - AP4-MW1

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0784	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.130	< 0.100	< 0.100	0.106	< 0.100	< 0.100	0.0723
Calcium, Total	mg/L	89.8	90.4	95.1	103	93.0	88.3	103	92.3	91.0	99.6	82.4	94.2	93.7	85.3	94.0	96.2	93.7	92.6	101	85.2	99.4	79.5	92.8	90.4	77.1	85.1	93.6
Chloride	mg/L	22.5	7.05	5.57	6.43	6.24	11	5.37	7.48	7.47	6.52	5.61	6.15	1.18	6.74	7.27	7.13	7.17	6.81	7.59	7.19	7.33	7.57	7.54	10.4	9.07	7.85	9.17
Fluoride	mg/L	< 0.500	0.598	0.923	0.796	0.604	< 0.500	0.656	1.22	1.2	0.846	0.723	1.07	0.194	0.552	0.816	0.856	0.615	0.611	0.524	0.811	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Field pH	pH units	6.95	6.94	7.46	7.26	7.19	7.19	7.32	7.19	7.17	7.36	7.23	7.59	7.60	7.37	7.16	6.8	7.14	7.11	7.20	7.04	6.95	7.10	7.00	7.12	7.06	7.09	7.03
Sulfate	mg/L	22.8	23.7	22.2	22.2	22.8	24.5	20.6	21.7	24.4	23.4	19.6	23.2	4.79	25.7	25.3	25.2	27.2	26.2	22.7	23.2	27.3	23.8	22.3	21.1	25.9	23.1	28.2
Total Dissolved Solids	mg/L	440	462	428	430	462	464	484	520	464	408	406	416	392	422	396	388	388	396	368	362	400	402	430	426	398	414	386
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.23	0.258	0.221	0.199	0.193	0.209	0.269	0.231	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.598	0.923	0.796	0.604	< 0.500	0.656	1.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0508	0.0513	0.0504	0.0505	0.0506	0.0546	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00725	0.00823	0.00724	0.00647	0.00656	0.00655	0.00883	0.00739	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.257 ± 0.0866	0.293 ± 0.104	0.35 ± 0.097	0.314 ± 0.0878	0.417 ± 0.111	0.527 ± 0.33	0.208 ± 0.0918	0.373 ± 0.125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.14 ± 0.411	2.68 ± 0.446	1.49 ± 0.319	1.19 ± 0.318	1.26 ± 0.383	2.09 ± 0.453	2.02 ± 0.392	1.88 ± 0.383	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.397 ± 0.42	2.973 ± 0.458	1.84 ± 0.333	1.51 ± 0.33	1.67 ± 0.399	2.62 ± 0.561	2.22 ± 0.403	2.25 ± 0.403	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.00901	0.0123	0.0101	0.00873	0.00826	0.00816	0.0114	0.00999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR Rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 2. Data Summary Table - AP4-MW2

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0831	< 0.500	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.400	< 0.100	< 0.100	0.111	< 0.100	< 0.100	0.121	< 0.100	< 0.100	--
Calcium, Total	mg/L	335	321	294	320	289	286	342	278	293	331	263	297	291	239	292	296	288	295	336	269	309	290	306	310	270	279	--
Chloride	mg/L	89.9	93.3	83.6	94.2	92.7	92.5	87	88.6	88.6	94.3	92	87.6	88.8	93.9	106.0	113.0	111	115	99.6	106	111	99.9	99.8	95.7	103	89.7	--
Fluoride	mg/L	< 0.500	3.1	0.596	0.666	0.558	< 0.500	< 0.500	0.935	0.677	0.687	< 0.500	0.612	0.702	0.715	< 0.500	< 0.500	0.533	< 0.500	< 0.500	0.544	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	--
Field pH	pH units	6.98	6.99	7.37	7.2	7.16	7.13	7.25	7.12	7.16	7.26	7.19	7.44	7.60	7.33	7.09	7.05	7.08	7.09	7.1	6.97	6.97	6.97	6.97	7.08	6.97	6.99	--
Sulfate	mg/L	884	888	797	804	901	842	774	797	894	879 E	827	923	855	857	874	876	882	933	906	874	1120	873	944	957	996	911	--
Total Dissolved Solids	mg/L	1720	1840	1700	1830	1900	1790	2360	1780	2210	1650	1680	1730	1570	1740	1620	1680	1620	1560	1680	1380	1750	1610	1630	1700	1720	1580	--
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.0115	0.0117	0.0107	0.0102	0.00996	0.012	0.0138	0.0103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	3.1	0.596	0.666	0.558	< 0.500	< 0.500	0.935	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0811	0.0754	0.0699	0.0681	0.0523	0.0705	0.0661	0.0694	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00543	0.00555	0.00526	0.00533	0.00519	0.00494	0.00627	0.00491	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.258 ± 0.0937	0.241 ± 0.0886	0.28 ± 0.0846	0.312 ± 0.0834	0.334 ± 0.097	0.778 ± 0.403	0.25 ± 0.103	0.188 ± 0.0925	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.02 ± 0.457	2.53 ± 0.497	2.07 ± 0.384	2.2 ± 0.449	2.41 ± 0.467	2.49 ± 0.485	2.01 ± 0.41	2.01 ± 0.405	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.278 ± 0.467	2.771 ± 0.505	2.35 ± 0.394	2.51 ± 0.456	2.74 ± 0.477	3.27 ± 0.631	2.26 ± 0.423	2.2 ± 0.415	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.714	0.697	0.634	0.706	0.628	0.628	0.779	0.657	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
E: Result exceeded calibration range.

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 3. Data Summary Table - AP4-MW7

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0758	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.101	
Calcium, Total	mg/L	67.7	68.7	72	66.2	69.4	66.9	79	67.6	67.5	64.3	65.5	66.4	69.4	66.6	66.3	71.7	70.5	68.2	78.2	64.8	75.7	65.9	68.5	78.8	61.3	64.1	69.5
Chloride	mg/L	16.1	11.8	11.4	11.2	13	11.7	10.6	12.9	13.3	12.5	12.1	12.9	11.3	11.8	9.89	11.4	9.65	11.4	13.3	13.9	16.8	16.0	14.7	13.8	17.2	14.4	14.8
Fluoride	mg/L	< 0.500	< 0.500	0.738	< 0.500	< 0.500	< 0.500	< 0.500	1.02	< 0.500	0.52	< 0.500	< 0.500	0.589	< 0.500	0.513	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
Field pH	pH units	7.20	7.45	7.65	7.39	7.40	7.48	7.57	7.52	7.46	7.56	7.54	7.94	7.15	7.70	7.39	7.34	7.37	7.36	7.30	7.23	7.11	7.26	7.17	7.08	7.22	7.23	7.27
Sulfate	mg/L	46	39.8	40.4	43.3	40.7	45.6	36.8	35.2	42.7	41.6	34.5	44.2	51.1	49.9	40.6	47.7	50.5	47	40.8	42.1	40.1	34.6	29.6	34.4	30.8	26.7	29.1
Total Dissolved Solids	mg/L	546	548	516	558	588	616	534	538	598	476	480	536	504	510	404	488	488	490	490	478	516	466	438	472	460	444	426
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.165	0.161	0.154	0.137	0.146	0.159	0.177	0.159	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	< 0.500	0.738	< 0.500	< 0.500	< 0.500	< 0.500	1.02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00841	0.00827	0.00823	0.0069	0.00785	0.00788	0.00955	0.00768	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.189 ± 0.0807	0.206 ± 0.865	0.277 ± 0.0928	0.25 ± 0.0781	0.29 ± 0.0907	< 0.404 U ± 0.271	0.357 ± 0.112	0.227 ± 0.092	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	1.2 ± 0.313	1.92 ± 0.396	1.58 ± 0.322	1.52 ± 0.342	1.60 ± 0.415	2.52 ± 0.481	1.91 ± 0.372	1.67 ± 0.358	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	1.389 ± 0.323	2.126 ± 0.405	1.86 ± 0.335	1.77 ± 0.350	1.89 ± 0.425	2.83 ± 0.552	2.27 ± 0.389	1.89 ± 0.369	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.00812	0.00846	0.00898	0.00834	0.00926	0.00764	0.00995	0.0103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 4. Data Summary Table - AP4-MW3

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0687	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.102	< 0.100	< 0.100	0.127
Calcium, Total	mg/L	82.4	85.9	89.8	88.5	87.5	85	95.8	86.1	83.7	92.3	74.7	88.5	87.8	81.1	84.1	88.4	88.3	84.3	94.5	78.8	88.5	78.1	84.9	82	72.8	81.6	84.6
Chloride	mg/L	12.4	< 5.00	< 5.00	< 5.00	6.94	5.4	< 5.00	5.18	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	< 0.500	0.975	1.08	1.1	0.513	0.884	1.04	1.82	1.2	1.29	1.05	1.29	1.24	1.24	1.34	1.33	0.914	0.972	0.717	1.23	1.14	1.27	1.21	1.11	1.47	1.22	1.38
Field pH	pH units	7.15	7.21	7.60	7.38	7.30	7.34	7.39	7.40	7.28	7.48	7.43	7.69	7.60	7.56	7.3	6.55	7.36	7.27	7.40	7.14	7.13	7.16	7.08	7.18	7.13	7.11	7.12
Sulfate	mg/L	33.2	24.4	25.2	34.6	31.2	29	20.6	21.7	33.2	30.7	20	35	32.3	30.3	26.7	22.9	29.2	22.3	21	19.3	17.7	20.0	19.1	21.3	20.2	16.6	16.3
Total Dissolved Solids	mg/L	418	460	390	420	488	430	428	442	494	404	374	426	378	374	378	348	344	354	326	318	360	360	340	374	366	332	338
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.218	0.235	0.225	0.222	0.206	0.232	0.271	0.238	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.975	1.08	1.1	0.513	0.884	1.04	1.82	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0502	< 0.0500	0.0519	< 0.05	< 0.05	0.0538	0.0520	0.0547	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00922	0.0101	0.00992	0.00873	0.00928	0.00978	0.0116	0.00983	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.401 ± 0.101	0.389 ± 0.106	0.384 ± 0.103	0.501 ± 0.104	0.4 ± 0.102	0.426 ± 0.292	0.318 ± 0.108	0.188 ± 0.0889	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	3.69 ± 0.576	2.87 ± 0.491	2.91 ± 0.463	3.42 ± 0.547	2.65 ± 0.477	3.19 ± 0.561	2.35 ± 0.432	2.26 ± 0.422	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	4.091 ± 0.474	3.259 ± 0.502	3.3 ± 0.474	3.92 ± 0.557	3.04 ± 0.487	3.62 ± 0.632	2.67 ± 0.445	2.45 ± 0.431	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0138	0.0164	0.0165	0.0145	0.0152	0.0154	0.0201	0.0191	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 5. Data Summary Table - AP4-MW4

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection										Detection Monitoring ¹																
Appendix III																												
Boron, Total	mg/L	0.0674	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.104	< 0.100	< 0.100	0.108
Calcium, Total	mg/L	128	123	103	115	111	105	132	95.4	108	109	97.1	100	112	91.9	104	112	109	102	119	100	117	108	117	103	101	108	120
Chloride	mg/L	13	8.99	< 5.00	6.71	8.55	7.77	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	mg/L	< 0.500	0.987	0.946	0.949	< 0.500	0.732	0.786	1.33	1.18	1.2	0.796	1.17	1.12	0.983	1.110	0.989	0.900	0.837	0.626	1.03	< 1.00	1.09	1.06	<1.00	1.26	1.04	1.19
Field pH	pH units	7.02	7.17	7.40	7.25	7.15	7.22	7.23	7.31	7.23	7.32	7.29	7.60	7.75	7.43	7.22	7.23	7.17	7.13	7.3	7.02	6.97	7.05	6.99	7.10	7.02	7.00	7.06
Sulfate	mg/L	82.8	127	62.6	89.5	99.6	110	123	59.4	53.5	100	81.9	85.7	109	114	95.5	97.5	87.3	84.7	76.1	96.7	96.5	130	102	79.5	118	122	123
Total Dissolved Solids	mg/L	506	590	476	518	582	556	576	666	498	530	466	486	490	516	510	466	452	452	436	460	504	526	500	486	520	522	558
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.151	0.14	0.168	0.128	0.131	0.177	0.123	0.158	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	0.987	0.946	0.949	< 0.500	0.732	0.786	1.33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00509	0.0054	0.00493	0.00443	0.00481	0.00466	0.00642	0.00483	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.45 ± 0.10	0.451 ± 0.124	0.362 ± 0.104	0.471 ± 0.094	0.36 ± 0.097	0.481 U ± 0.132	0.327 ± 0.111	0.185 ± 0.090	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.78 ± 0.48	1.59 ± 0.370	0.86 ± 0.362	0.62 ± 0.462	0.05 ± 0.452	0.39 ± 0.384	0.93 ± 0.391	1.9 ± 0.388	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	3.23 ± 0.502	2.041 ± 0.392	1.223 ± 0.378	1.09 ± 0.472	0.41 ± 0.462	0.56 ± 0.472	0.25 ± 0.412	0.08 ± 0.394	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0259	0.0137	0.0181	0.0132	0.0198	0.0119	0.0104	0.013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 6. Data Summary Table - AP4-MW5

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0934	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	0.133	< 0.100	< 0.100	< 0.400	< 0.100	0.109	0.125	< 0.100	0.109	< 0.400	0.145	0.124	0.144
Calcium, Total	mg/L	358	520	439	460	523	517	608	310	488	537	146	541	504	363	579	210	177	600	178	471	468	500	244	473	427	363	411
Chloride	mg/L	8.98	8.99	5.77	6.97	7.98	10	5.69	6.76	< 5.00	6.59	< 5.00	5.1	5.43	6.03	6.19	5.56	< 5.00	5.71	< 5.00	6.28	6.11	6.52	6.31	5.52	6.91	6.53	6.71
Fluoride	mg/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	0.658	0.601	< 0.500	0.664	0.61	< 0.500	< 0.500	0.53	< 0.500	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
Field pH	pH units	6.75	7.05	7.08	6.89	6.81	6.82	6.90	6.90	6.82	6.97	7.27	7.23	7.26	7.06	6.82	6.94	7.04	6.67	7.1	6.63	6.64	6.62	6.88	6.54	6.65	6.72	6.68
Sulfate	mg/L	1420	1480	969	1410	1620	1570	1350	740	784	1630	468	1470	1370	1540	1580	678	592	1670	426	1590	1550	1680	719	1470	1650	1280	1130
Total Dissolved Solids	mg/L	2540	2740	1950	2620	2860	2920	3010	1490	1710	2690	1020	2390	2210	2500	2740 H	1180	980	2450	750	2350	2660	2510	1270	2630	2590	2300	2200
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium, Total	mg/L	0.017	0.00903	0.0117	0.00926	0.00843	0.00795	0.00756	0.0124	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium, Total	mg/L	0.0948	0.1330	0.1210	0.1280	0.1480	0.1680	0.1660	0.1080	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum, Total	mg/L	0.00444	0.00329	0.0035	0.00274	0.00263	0.00284	0.00373	0.00344	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226	pCi/L	0.167 ± 0.0816	0.156 ± 0.103	0.267 ± 0.084	0.176 ± 0.0734	0.217 ± 0.0891	< 0.397 U ± 0.253	0.105 ± 0.068	< 0.109 U ± 0.058	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-228	pCi/L	2.08 ± 0.432	< 0.471 U ± 0.297	2 ± 0.392	1.02 ± 0.317	1.36 ± 0.373	0.972 ± 0.383	0.934 ± 0.294	< 0.361 U ± 0.234	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Radium-226 + Radium-228	pCi/L	2.247 ± 0.44	0.505 ± 0.314	2.27 ± 0.40	1.19 ± 0.325	1.57 ± 0.384	1.21 ± 0.459	1.04 ± 0.302	< 0.361 U ± 0.241	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium, Total	mg/L	0.0563	< 0.00500	0.0236	0.0236	0.00561	< 0.00500	< 0.00500	0.0562	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter
U: Result is less than the sample detection limit (varies by sample for radiological results).
H: Sample was prepped or analyzed beyond the specified holding time.

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 7. Data Summary Table - AP4-MW6

Analytes		9/15/2015	11/23/2015	3/15/2016	5/18/2016	8/9/2016	11/9/2016	3/7/2017	5/16/2017	9/19/2017	3/21/2018	9/11/2018	3/20/2019	9/17/2019	3/8/2020	9/1/2020	3/9/2021	8/25/2021	3/2/2022	8/23/2022	3/6/2023	8/29/2023	2/26/2024	9/3/2024	3/3/2025	8/26/2025	2/9/2026	8/25/2026
	Units	Background Collection									Detection Monitoring ¹																	
Appendix III																												
Boron, Total	mg/L	0.0862	< 0.150	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.11	< 0.100	< 0.100	0.112
Calcium, Total	mg/L	103	105	101	104	106	101	118	94.1	106	106	92.7	90.6	101	99.2	99.5	105	99.9	99	116	97.2	112	99.6	102	103	89.7	103	107
Chloride	mg/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	5.28	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
Fluoride	mg/L	0.87	0.85	1.37	1.61	1.21	1.45	1.35	1.62	1.62	2.19	1.31	1.5	1.46	2.08	1.82	1.53	1.20	1.35	102	1.45	1.28	1.44	1.54	1.15	1.68	1.32	1.44
Field pH	pH units	6.92	7.21	7.46	7.19	7.11	7.21	7.35	7.33	7.16	7.40	7.32	7.63	7.22	7.49	7.20	7.16	7.17	7.15	7.20	7.04	6.91	7.07	6.97	6.94	6.97	7.08	7.00
Sulfate	mg/L	58.5	96.6	51.3	50.7	70.6	69.1	59.3	53.4	50	60.5	46.7	57.7	65.2	75.5	51.8	58.4	61.8	53.8	52.3	59.8	65.9	66.3	53	73.5	61.9	69.6	64.6
Total Dissolved Solids	mg/L	468	506	506	436	514	530	584	550	498	432	396	440	458	422	454	414	414	402	382	394	428	438	428	470	442	456	404
Appendix IV																												
Antimony, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Arsenic, Total	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Barium, Total	mg/L	0.0725	0.0611	0.0622	0.0589	0.0605	0.0629	0.0672	0.0568	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Beryllium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chromium, Total	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Fluoride	mg/L	0.869	0.845	1.37	1.61	1.21	1.45	1.35	1.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lead, Total	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lithium, Total	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Mercury, Total	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Molybdenum, Total	mg/L	0.00329	0.0039	0.00393	0.00344	0.00281	0.00397	0.00455	0.00411	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-226	pCi/L	0.287 ± 0.0872	0.232 ± 0.0917	0.227 ± 0.0771	0.261 ± 0.073	0.361 ± 0.113	0.545 ± 0.358	0.163 ± 0.0907	0.17 ± 0.0861	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-228	pCi/L	0.983 ± 0.307	0.766 ± 0.31	0.672 ± 0.243	0.699 ± 0.279	1.27 ± 0.439	0.735 ± 0.378	0.451 ± 0.245	0.752 ± 0.244	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Radium-226 + Radium-228	pCi/L	1.27 ± 0.319	0.998 ± 0.323	0.899 ± 0.254	0.961 ± 0.288	1.63 ± 0.454	1.28 ± 0.521	0.614 ± 0.261	0.921 ± 0.259	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Selenium, Total	mg/L	0.0103	0.00883	0.0109	0.00974	0.00984	0.0098	0.0112	0.0104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thallium, Total	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

Legend:
--- Not analyzed
mg/L: milligrams per liter
pCi/L: picocuries per liter

NOTES:
1. As indicated by the CCR rule (40 CFR 257.94), the Detection Monitoring Program monitors all constituents found in Appendix III.

Table 8 - Sheldon Station Ash Landfill No. 4
Groundwater Levels (ft amsl)

Sample Period	Upgradient Wells			Downgradient Wells			
	AP4-MW1	AP4-MW2	AP4-MW7	AP4-MW3	AP4-MW4	AP4-MW5	AP4-MW6
MP Elev.	1425.95	1445.03	1424.29	1411.72	1396.10	1403.10	1386.61
QTR-2002-4	1410.90	1422.78	1401.53	1392.14	1375.99	1385.78	1374.15
QTR-2003-1	1409.36	1421.35	1399.28	1390.20	1374.01	1383.07	1374.06
QTR-2003-2	1412.99	1421.11	1398.78	1396.11	1376.52	1387.68	1376.90
QTR-2003-3	1411.22	1421.87	1401.34	1390.91	1372.66	1382.35	1369.46
QTR-2003-4	1410.02	1422.24	1401.38	1390.31	1373.48	1382.30	1369.10
QTR-2004-1	1411.81	1420.78	1398.98	1393.01	1377.92	1384.12	1377.59
QTR-2004-2	1412.04	1420.72	1400.70	1394.77	1375.64	1383.75	1374.83
QTR-2004-3	1411.24	1421.22	1408.14	1393.89	1375.55	1384.18	1373.85
QTR-2004-4	1409.40	1421.39	1407.23	1391.65	1373.40	1381.88	1374.65
QTR-2005-1	1409.32	1420.12	1401.20	1390.66	1372.78	1381.29	1374.62
QTR-2005-2	1410.36	1419.77	1399.82	1388.86	1372.63	1381.27	1374.55
QTR-2005-3							
QTR-2005-4	1407.83	1419.58	1399.32	1387.67	1372.52	1380.80	1369.44
QTR-2006-1	1406.35	1418.91	1397.99	1387.02	1372.42	1380.15	1371.76
QTR-2006-2	1408.37	1418.43	1397.48	1387.52	1372.42	1383.05	1372.36
QTR-2006-3	1403.26	1417.13	1399.99	1386.38	1372.30	1379.83	1370.22
QTR-2006-4	1404.91	1419.42	1399.89	1386.32	1372.25	1380.51	1369.90
QTR-2007-1	1407.21	1417.13	1397.74	1390.63	1372.89	1382.85	1374.67
QTR-2007-3	1409.61	1417.42	1409.74	1391.60	1373.85	1382.19	1370.84
QTR-2008-2	1415.33	1417.33	1414.16	1406.98	1385.69	1395.04	1379.15
QTR-2008-3	1412.64	1418.64	1413.10	1393.61	1376.05	1385.14	1373.43
QTR-2009-2	1409.86	1417.98	1403.78	1390.72	1374.15	1381.58	1374.49
QTR-2009-3	1408.87	1417.88	1407.03	1389.01	1372.47	1380.60	1370.31
QTR-2010-2	1413.98	1418.11	1414.59	1405.12	1381.85	1390.80	1375.51
QTR-2010-3	1411.22	1419.23	1413.39	1392.72	1374.81	1383.50	1374.39
QTR-2011-2	1409.32	1418.12	1403.83	1389.92	1374.80	1382.48	1374.55
QTR-2011-3	1411.24	1418.58	1411.18	1391.87	1373.60	1382.88	1373.56
QTR-2012-2	1412.85	1418.13	1413.29	1399.77	1377.74	1388.74	1375.41
QTR-2012-3	1408.70	1418.58	1410.77	1390.03	1372.72	1381.35	1369.47
QTR-2013-2	1411.47	1416.93	1402.57	1391.01	1375.34	1388.23	1375.31
QTR-2013-4	1410.46	1417.32	1407.27	1391.21	1373.05	1382.79	1370.11
QTR-2014-2	1407.80	1416.98	1400.05	1387.42	1372.03	1383.19	1374.23
QTR-2014-4	1407.74	1417.08	1404.99	1387.30	1372.10	1381.27	1371.75
QTR-2015-2	1412.00	1415.13	1409.78	1405.17	1379.63	1394.50	1375.75
QTR-2015-3	1412.05	1418.38	1412.67	1393.87	1376.77	1386.49	1371.86
QTR-2015-4	1410.50	1418.89	1408.79	1391.46	1374.49	1383.76	1372.41
QTR-2016-1	1412.60	1420.38	1405.38	1394.97	1377.65	1387.59	1374.66
QTR-2016-2	1414.94	1418.83	1410.62	1406.92	1384.72	1395.85	1376.79
QTR-2016-3	1412.06	1419.51	1414.29	1393.22	1375.65	1386.20	1373.11
QTR-2016-4	1410.10	1419.93	1408.39	1390.81	1373.60	1382.98	1372.41
QTR-2017-1	1408.24	1419.54	1403.49	1389.29	1372.83	1381.40	1373.83
QTR-2017-2	1410.15	1419.00	1402.41	1389.52	1373.35	1386.96	1373.96
QTR-2017-3	1410.40	1419.35	1409.31	1392.04	1372.70	1383.00	1372.12
QTR-2018-1	1408.01	1418.76	1402.92	1389.65	1372.37	1381.38	1374.21
QTR-2018-3	1410.46	1417.88	1410.27	1397.84	1375.90	1389.87	1374.85
QTR-2019-1	1413.80	1418.53	1411.27	1400.72	1383.19	1391.10	1377.89
QTR-2019-3	1412.07	1422.34	1415.12	1399.14	1377.58	1390.40	1374.46
QTR-2020-1	1414.38	1424.75	1411.49	1399.62	1378.73	1390.27	1374.60
QTR-2020-2	1414.67	1427.03	1415.83	1403.73	1380.90	1394.55	1375.70
QTR-2020-3	1411.10	1428.23	1414.78	1394.10	1375.29	1387.19	1373.30
QTR-2021-1	1410.62	1425.54	1405.72	1390.69	1375.14	1386.42	1374.19
QTR-2021-3	1410.46	1426.36	1412.38	1392.03	1373.93	1384.00	1371.92
QTR-2022-1	1408.46	1424.04	1404.24	1389.13	1372.69	1381.70	1373.66
QTR-2022-3	1408.65	1421.92	1408.57	1390.69	1371.45	1379.75	1370.26
QTR-2023-1	1405.85	1419.93	1400.39	1386.32	1370.00	1378.27	1369.80
QTR-2023-3	1405.35	1418.68	1398.38	1386.93	1370.75	1379.99	1370.86
QTR-2024-1	1405.43	1418.98	1397.63	1387.26	1372.18	1379.84	1370.80
QTR-2024-3	1405.25	1417.86	1398.27	1385.97	1371.45	1379.25	1369.31
QTR-2025-1	1404.17	1417.33	1397.82	1385.72	1371.62	1379.20	1371.86
QTR-2025-3	1403.80	1416.18	1395.70	1384.48	1371.22	1378.45	1370.71
QTR-2026-1	1403.30	*	1395.12	1384.37	1371.25	1378.60	1371.36
QTR-2026-3	1403.12	*	1396.95	1383.22	1370.94	1378.03	1371.16
Mean	1409.67	1419.75	1405.22	1392.05	1374.65	1384.13	1373.15
SD	3.05	2.69	6.04	5.56	3.37	4.42	2.37
Maximum	1415.33	1428.23	1415.83	1406.98	1385.69	1395.85	1379.15
Minimum	1403.12	1415.13	1395.12	1383.22	1370.00	1378.03	1369.10
Range	12.21	13.10	20.71	23.76	15.69	17.82	10.05
Hydraulic Gradient				0.025			

MP = Measuring Point

MSL = Mean Sea Level (measured to nearest 0.01')

* = Water level below pump

Table 9: Comparative Statistics - AP4-MW1 (Upgradient)

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.200	0.0723	--	Yes
Calcium, Total	mg/L	CUSUM	116.8	93.6	92.8	Yes
Chloride	mg/L	NP-PL	11.0	9.17	--	Yes
Fluoride	mg/L	CUSUM	1.82	< 1.00	0.76	Yes
pH, Field	pH units	CUSUM	6.44, 7.93	7.03	7.19, 7.19	Yes
Sulfate	mg/L	CUSUM	31.5	28.2	26.2	Yes
Total Dissolved Solids	mg/L	CUSUM	584	386	434	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 10: Comparative Statistics - AP4-MW2 (Upgradient)

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.200	**	--	--
Calcium, Total	mg/L	CUSUM	396	**	--	--
Chloride	mg/L	NP-PL	113.0	**	--	--
Fluoride	mg/L	NP-PL	1.00	**	--	--
pH, Field	pH units	CUSUM	6.56, 7.68	**	--	--
Sulfate	mg/L	CUSUM	1063	**	--	--
Total Dissolved Solids	mg/L	NP-PL	2360	**	--	--

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

See discussion of non-detect reporting for compliance results in the text.

** - See text for discussion of August 2026 sampling.

Table 11: Comparative Statistics - AP4-MW7

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.200	0.101	--	Yes
Calcium, Total	mg/L	NP-PL	79.0	69.5	--	Yes
Chloride	mg/L	CUSUM	20.1	14.8	15.5	Yes
Fluoride	mg/L	NP-PL	1.02	< 1.00	--	Yes
pH, Field	pH units	CUSUM	6.57, 8.22	7.27	7.40, 7.40	Yes
Sulfate	mg/L	CUSUM	64.0	29.1	41.6	Yes
Total Dissolved Solids	mg/L	CUSUM	732	426	525	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 12: Comparative Statistics - AP4-MW3

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.200	0.127	--	Yes
Calcium, Total	mg/L	CUSUM	105.7	84.6	85.9	Yes
Chloride	mg/L	NP-PL	12.40	< 5.0	--	Yes
Fluoride	mg/L	CUSUM	2.14	1.38	1.13	Yes
pH, Field	pH units	CUSUM	6.66, 8.00	7.12	7.21, 7.33	Yes
Sulfate	mg/L	CUSUM	48.2	16.3	28.3	Yes
Total Dissolved Solids	mg/L	CUSUM	567	338	435	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 13: Comparative Statistics - AP4-MW4

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.200	0.108	--	Yes
Calcium, Total	mg/L	CUSUM	149	120	110	Yes
Chloride	mg/L	NP-PL	13.00	< 5.00	--	Yes
Fluoride	mg/L	CUSUM	1.80	1.19	0.97	Yes
pH, Field	pH units	CUSUM	6.49, 7.99	7.06	7.20, 7.22	Yes
Sulfate	mg/L	CUSUM	175	123	114	Yes
Total Dissolved Solids	mg/L	CUSUM	737	558	509	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

Table 14: Comparative Statistics - AP4-MW5

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.400	0.144	--	Yes
Calcium, Total *	mg/L	CUSUM	947	411	424	Yes
Chloride	mg/L	NP-PL	10	6.71	--	Yes
Fluoride	mg/L	NP-PL	1.27	< 1.00	--	Yes
pH, Field	pH units	CUSUM	6.09, 7.71	6.68	6.86, 6.90	Yes
Sulfate *	mg/L	CUSUM	2340	1130	1310	Yes
Total Dissolved Solids	mg/L	CUSUM	3597	2200	2351	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

See discussion of non-detect reporting for compliance results in the text.

Calcium and sulfate were determined to display seasonality baseline establishment. Data will be deseasonalized during comparative statistics, which may result in slightly different statistical limits from event to

Table 15: Comparative Statistics - AP4-MW6

		Statistical Method	Statistical Limit	Q3 2026 Detection Monitoring Result	Q3 2026 CUSUM Value	Q3 2026 - Within Limit?
Appendix III Analytes	Unit			8/25/2026		
Boron, Total	mg/L	NP-PL	0.200	0.112	--	Yes
Calcium, Total	mg/L	CUSUM	128	107	103	Yes
Chloride	mg/L	NP-PL	5.28	< 5.00	--	Yes
Fluoride	mg/L	CUSUM	2.70	1.44	1.43	Yes
pH, Field	pH units	CUSUM	6.44, 7.95	7.00	7.19, 7.19	Yes
Sulfate *	mg/L	CUSUM	111.2	64.6	60.3	Yes
Total Dissolved Solids	mg/L	CUSUM	687	404	472	Yes

NOTES:

NP-PL: Non-Parametric Prediction Limit

CUSUM: Parametric Shewhart-CUSUM Control Chart

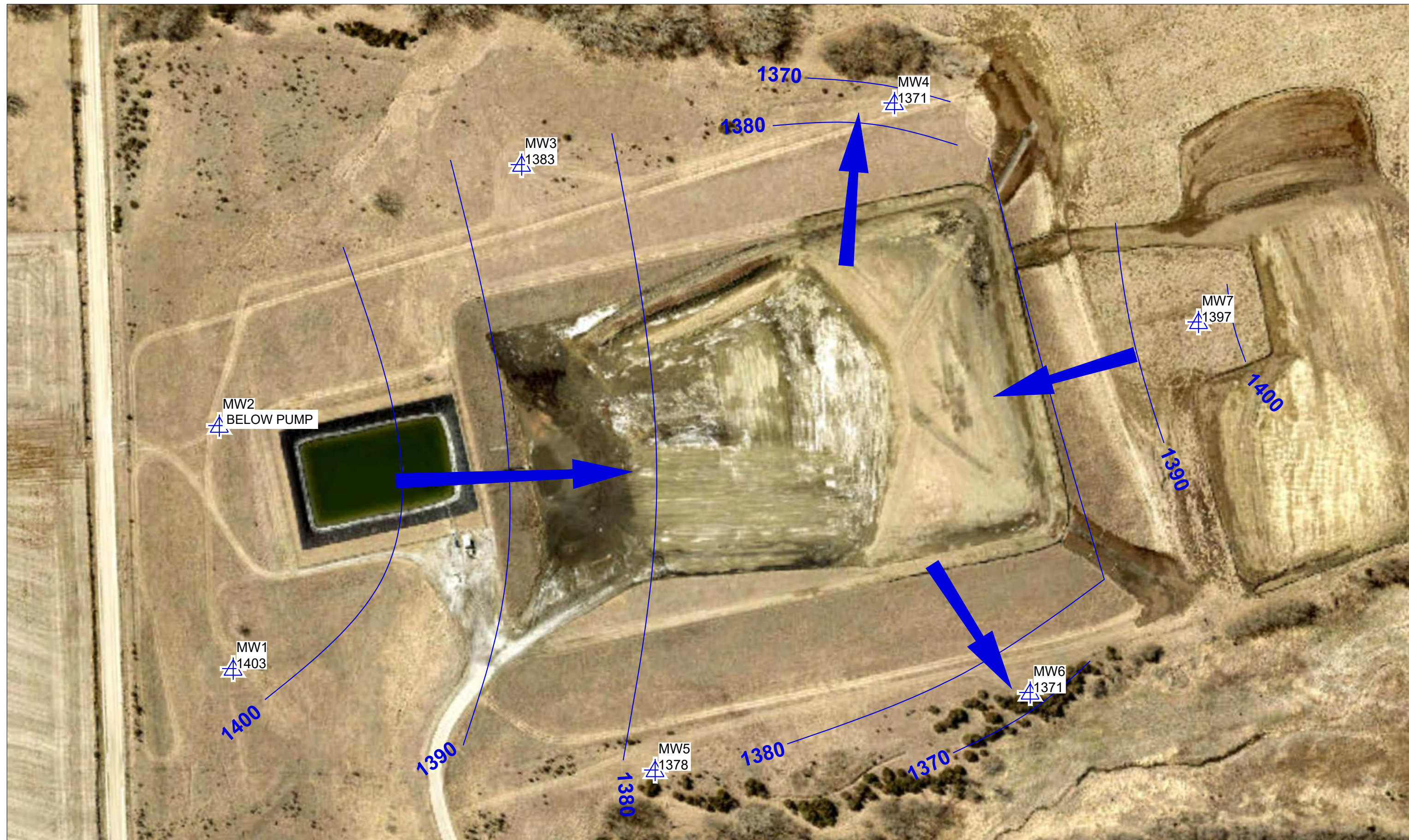
* Sulfate was determined to display seasonality baseline establishment. Data will be deseasonalized during comparative statistics, which may result in slightly different



Figures



Path: \\wsp-johann-net\US-Central\Data\USL\K100\area\NPDP\Sheldahl09_PROJECT\NPDP_SS_2026_GW\SS_GW_Maps_2026_Q3.dwg | File Name: SS_GW_Maps_2026_Q3.dwg



LEGEND

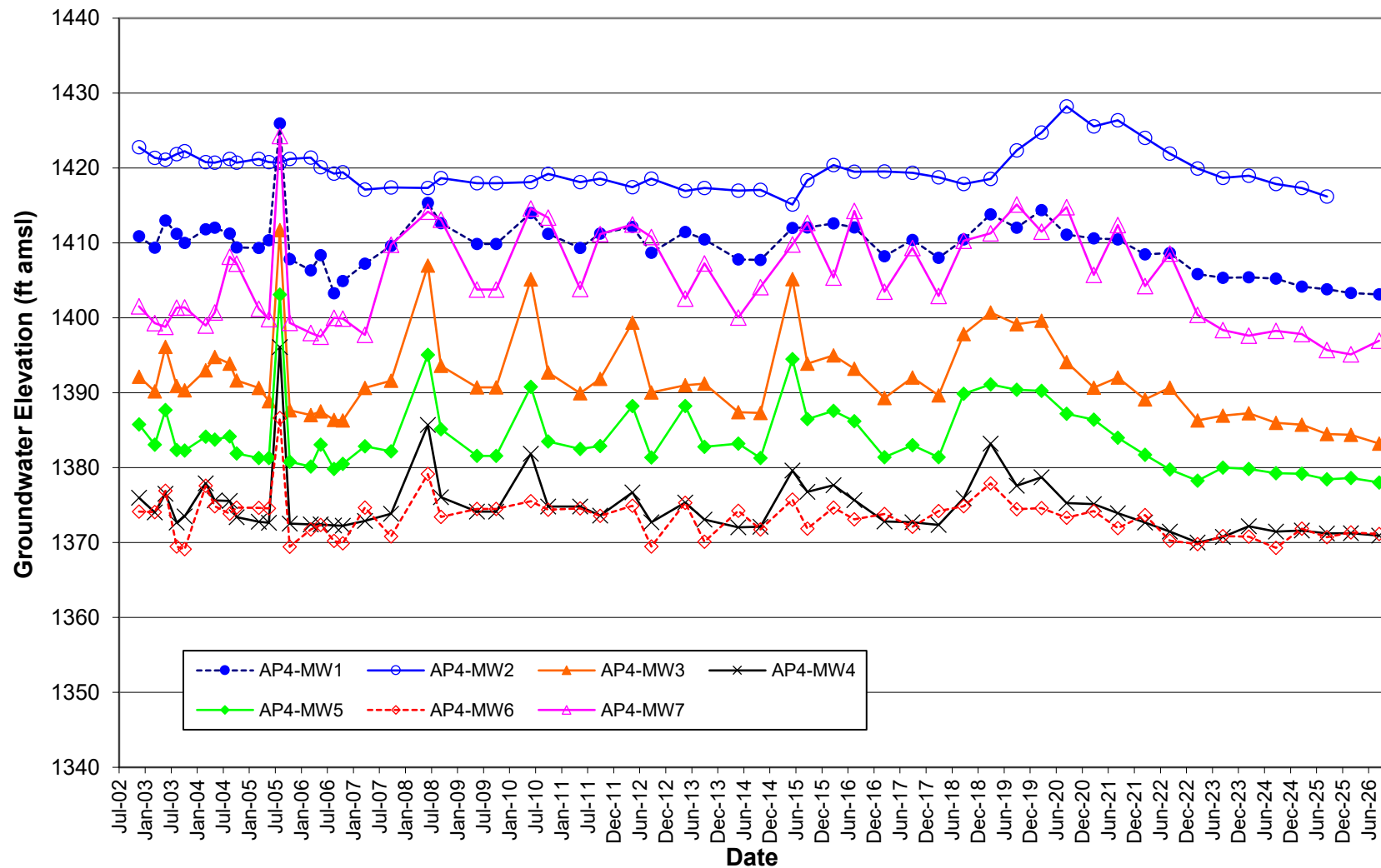
	MW1 1405	MONITORING WELL GROUNDWATER ELEVATION (ft AMSL)
---	-------------	--



0 75 150
1" = 150'
FEET

FIGURE 1
ASH LANDFILL NO. 4
GROUNDWATER CONTOURS
AUGUST 2026

FIGURE 2
Sheldon Station Ash Landfill No. 4
Groundwater Elevations





Appendix A

Analytical report and chain-of custody documentation





ANALYTICAL REPORT

PREPARED FOR

Attn: Todd A. Chinn
Nebraska Public Power District
4500 West Pella Road
Hallam, Nebraska 68368

Generated 9/24/2026 10:08:37 AM

JOB DESCRIPTION

Sheldon Station ash Landfill #4 CCR New

JOB NUMBER

310-339498-1

Eurofins Cedar Falls

Job Notes

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Authorization



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Authorized for release by
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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Sample Summary	5
Detection Summary	6
Client Sample Results	8
Definitions	15
QC Sample Results	16
QC Association	19
Chronicle	21
Certification Summary	23
Method Summary	24
Chain of Custody	25
Receipt Checklists	28



Case Narrative

Client: Nebraska Public Power District
Project: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Job ID: 310-339498-1

Eurofins Cedar Falls

Job Narrative 310-339498-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/27/2026 7:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

HPLC/IC

Method 9056A: The following samples were diluted due to the nature of the sample matrix: AP-4-MW1 (310-339498-1), AP-4-MW3 (310-339498-2), AP-4-MW4 (310-339498-3), AP-4-MW5 (310-339498-4), AP-4-MW6 (310-339498-5), AP-4-MW7 (310-339498-6) and AP-4-MW Blind Duplicate (310-339498-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Total Recoverable: The following sample was diluted to bring the concentration of target analytes within the calibration range: AP-4-MW5 (310-339498-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-339498-1	AP-4-MW1	Water	08/25/26 09:05	08/27/26 07:35	Nebraska
310-339498-2	AP-4-MW3	Water	08/25/26 10:02	08/27/26 07:35	Nebraska
310-339498-3	AP-4-MW4	Water	08/25/26 11:31	08/27/26 07:35	Nebraska
310-339498-4	AP-4-MW5	Water	08/25/26 14:22	08/27/26 07:35	Nebraska
310-339498-5	AP-4-MW6	Water	08/25/26 13:23	08/27/26 07:35	Nebraska
310-339498-6	AP-4-MW7	Water	08/25/26 12:12	08/27/26 07:35	Nebraska
310-339498-7	AP-4-MW Blind Duplicate	Water	08/25/26 00:00	08/27/26 07:35	Nebraska

Detection Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW1

Lab Sample ID: 310-339498-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.17		5.00		mg/L	5		9056A	Total/NA
Sulfate	28.2		5.00		mg/L	5		9056A	Total/NA
Boron	0.0723		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	93.6		0.200		mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	386		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW3

Lab Sample ID: 310-339498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	16.3		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.38		1.00		mg/L	5		9056A	Total/NA
Boron	0.127		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	84.6		0.200		mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	338		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW4

Lab Sample ID: 310-339498-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	123		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.19		1.00		mg/L	5		9056A	Total/NA
Boron	0.108		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	120		0.200		mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	558		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW5

Lab Sample ID: 310-339498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.71		5.00		mg/L	5		9056A	Total/NA
Sulfate	1130		50.0		mg/L	50		9056A	Total/NA
Boron	0.144		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	411		2.00		mg/L	10		6020B	Total Recoverable
Total Dissolved Solids	2200		250		mg/L	1		SM 2540C	Total/NA
pH	7.2	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW6

Lab Sample ID: 310-339498-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	64.6		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.44		1.00		mg/L	5		9056A	Total/NA
Boron	0.112		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	107		0.200		mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	404		50.0		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW6 (Continued)

Lab Sample ID: 310-339498-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.4	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW7

Lab Sample ID: 310-339498-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14.8		5.00		mg/L	5		9056A	Total/NA
Sulfate	29.1		5.00		mg/L	5		9056A	Total/NA
Boron	0.101		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	69.5		0.200		mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	426		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.6	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AP-4-MW Blind Duplicate

Lab Sample ID: 310-339498-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	55.3		5.00		mg/L	5		9056A	Total/NA
Fluoride	1.47		1.00		mg/L	5		9056A	Total/NA
Boron	0.113		0.0500		mg/L	1		6020B	Total Recoverable
Calcium	109		0.200		mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	404		50.0		mg/L	1		SM 2540C	Total/NA
pH	7.5	HF	1.0		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW1

Lab Sample ID: 310-339498-1

Date Collected: 08/25/26 09:05

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.17		5.00		mg/L			08/28/26 09:20	5
Sulfate	28.2		5.00		mg/L			08/28/26 09:20	5
Fluoride	<1.00		1.00		mg/L			08/28/26 09:20	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0723		0.0500		mg/L		09/02/26 09:01	09/23/26 17:48	1
Calcium	93.6		0.200		mg/L		09/02/26 09:01	09/22/26 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	386		50.0		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			08/27/26 07:52	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW3

Lab Sample ID: 310-339498-2

Date Collected: 08/25/26 10:02

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			08/28/26 09:33	5
Sulfate	16.3		5.00		mg/L			08/28/26 09:33	5
Fluoride	1.38		1.00		mg/L			08/28/26 09:33	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.127		0.0500		mg/L		09/02/26 09:01	09/22/26 18:25	1
Calcium	84.6		0.200		mg/L		09/02/26 09:01	09/22/26 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	338		50.0		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			08/27/26 07:54	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW4

Lab Sample ID: 310-339498-3

Date Collected: 08/25/26 11:31

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			08/28/26 10:09	5
Sulfate	123		5.00		mg/L			08/28/26 10:09	5
Fluoride	1.19		1.00		mg/L			08/28/26 10:09	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.108		0.0500		mg/L		09/02/26 09:01	09/22/26 18:28	1
Calcium	120		0.200		mg/L		09/02/26 09:01	09/22/26 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	558		50.0		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			08/27/26 07:55	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW5

Lab Sample ID: 310-339498-4

Date Collected: 08/25/26 14:22

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.71		5.00		mg/L			08/28/26 10:21	5
Sulfate	1130		50.0		mg/L			08/28/26 10:33	50
Fluoride	<1.00		1.00		mg/L			08/28/26 10:21	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.144		0.0500		mg/L		09/02/26 09:01	09/22/26 18:30	1
Calcium	411		2.00		mg/L		09/02/26 09:01	09/23/26 18:11	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2200		250		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.2	HF	1.0		SU			08/27/26 07:56	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW6

Lab Sample ID: 310-339498-5

Date Collected: 08/25/26 13:23

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			08/28/26 10:45	5
Sulfate	64.6		5.00		mg/L			08/28/26 10:45	5
Fluoride	1.44		1.00		mg/L			08/28/26 10:45	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.112		0.0500		mg/L		09/02/26 09:01	09/22/26 18:33	1
Calcium	107		0.200		mg/L		09/02/26 09:01	09/22/26 18:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	404		50.0		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	1.0		SU			08/27/26 07:57	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW7

Lab Sample ID: 310-339498-6

Date Collected: 08/25/26 12:12

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.00		mg/L			08/28/26 10:57	5
Sulfate	29.1		5.00		mg/L			08/28/26 10:57	5
Fluoride	<1.00		1.00		mg/L			08/28/26 10:57	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.101		0.0500		mg/L		09/02/26 09:01	09/22/26 18:35	1
Calcium	69.5		0.200		mg/L		09/02/26 09:01	09/22/26 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	426		50.0		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.6	HF	1.0		SU			08/27/26 07:58	1

Client Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW Blind Duplicate

Lab Sample ID: 310-339498-7

Date Collected: 08/25/26 00:00

Matrix: Water

Date Received: 08/27/26 07:35

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00		5.00		mg/L			08/28/26 11:09	5
Sulfate	55.3		5.00		mg/L			08/28/26 11:09	5
Fluoride	1.47		1.00		mg/L			08/28/26 11:09	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.113		0.0500		mg/L		09/02/26 09:01	09/22/26 18:37	1
Calcium	109		0.200		mg/L		09/02/26 09:01	09/22/26 18:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	404		50.0		mg/L			08/28/26 11:49	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.5	HF	1.0		SU			08/27/26 07:59	1

Definitions/Glossary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-498893/3

Matrix: Water

Analysis Batch: 498893

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00		1.00		mg/L			08/28/26 07:44	1
Sulfate	<1.00		1.00		mg/L			08/28/26 07:44	1
Fluoride	<0.200		0.200		mg/L			08/28/26 07:44	1

Lab Sample ID: LCS 310-498893/4

Matrix: Water

Analysis Batch: 498893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.593		mg/L		96	90 - 110
Sulfate	10.0	9.982		mg/L		100	90 - 110
Fluoride	2.00	2.047		mg/L		102	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-881956/1-A

Matrix: Water

Analysis Batch: 884893

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 881956

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0500		0.0500		mg/L		09/02/26 09:01	09/22/26 18:16	1
Calcium	<0.200		0.200		mg/L		09/02/26 09:01	09/22/26 18:16	1

Lab Sample ID: LCS 500-881956/2-A

Matrix: Water

Analysis Batch: 884893

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 881956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.104	^+	mg/L		110	80 - 120
Calcium	10.0	8.749		mg/L		87	80 - 120

Lab Sample ID: 310-339498-1 MS

Matrix: Water

Analysis Batch: 884893

Client Sample ID: AP-4-MW1

Prep Type: Total Recoverable

Prep Batch: 881956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	93.6		10.0	102.2	4	mg/L		86	75 - 125

Lab Sample ID: 310-339498-1 MS

Matrix: Water

Analysis Batch: 885079

Client Sample ID: AP-4-MW1

Prep Type: Total Recoverable

Prep Batch: 881956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0723		1.00	1.134		mg/L		106	75 - 125

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QC Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-339498-1 MSD
Matrix: Water
Analysis Batch: 884893

Client Sample ID: AP-4-MW1
Prep Type: Total Recoverable
Prep Batch: 881956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	93.6		10.0	101.6	4	mg/L		80	75 - 125	1	20

Lab Sample ID: 310-339498-1 MSD
Matrix: Water
Analysis Batch: 885079

Client Sample ID: AP-4-MW1
Prep Type: Total Recoverable
Prep Batch: 881956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.0723		1.00	1.131		mg/L		106	75 - 125	0	20

Lab Sample ID: 310-339498-1 DU
Matrix: Water
Analysis Batch: 884893

Client Sample ID: AP-4-MW1
Prep Type: Total Recoverable
Prep Batch: 881956

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	93.6		93.68		mg/L		0.07	20

Lab Sample ID: 310-339498-1 DU
Matrix: Water
Analysis Batch: 885079

Client Sample ID: AP-4-MW1
Prep Type: Total Recoverable
Prep Batch: 881956

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	0.0723		0.07337		mg/L		2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 310-498751/1
Matrix: Water
Analysis Batch: 498751

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<50.0		50.0		mg/L			08/28/26 11:49	1

Lab Sample ID: LCS 310-498751/2
Matrix: Water
Analysis Batch: 498751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1000		mg/L		100	89 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 310-498578/1
Matrix: Water
Analysis Batch: 498578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98 - 102

Eurofins Cedar Falls

QC Sample Results

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 310-339498-1 DU							Client Sample ID: AP-4-MW1				
Matrix: Water							Prep Type: Total/NA				
Analysis Batch: 498578											
Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	Limit
pH	7.4	HF		7.5		SU				0.1	20

QC Association Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

HPLC/IC

Analysis Batch: 498893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-339498-1	AP-4-MW1	Total/NA	Water	9056A	
310-339498-2	AP-4-MW3	Total/NA	Water	9056A	
310-339498-3	AP-4-MW4	Total/NA	Water	9056A	
310-339498-4	AP-4-MW5	Total/NA	Water	9056A	
310-339498-4	AP-4-MW5	Total/NA	Water	9056A	
310-339498-5	AP-4-MW6	Total/NA	Water	9056A	
310-339498-6	AP-4-MW7	Total/NA	Water	9056A	
310-339498-7	AP-4-MW Blind Duplicate	Total/NA	Water	9056A	
MB 310-498893/3	Method Blank	Total/NA	Water	9056A	
LCS 310-498893/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 881956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-339498-1	AP-4-MW1	Total Recoverable	Water	3005A	
310-339498-2	AP-4-MW3	Total Recoverable	Water	3005A	
310-339498-3	AP-4-MW4	Total Recoverable	Water	3005A	
310-339498-4	AP-4-MW5	Total Recoverable	Water	3005A	
310-339498-5	AP-4-MW6	Total Recoverable	Water	3005A	
310-339498-6	AP-4-MW7	Total Recoverable	Water	3005A	
310-339498-7	AP-4-MW Blind Duplicate	Total Recoverable	Water	3005A	
MB 500-881956/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-881956/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
310-339498-1 MS	AP-4-MW1	Total Recoverable	Water	3005A	
310-339498-1 MSD	AP-4-MW1	Total Recoverable	Water	3005A	
310-339498-1 DU	AP-4-MW1	Total Recoverable	Water	3005A	

Analysis Batch: 884893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-339498-1	AP-4-MW1	Total Recoverable	Water	6020B	881956
310-339498-2	AP-4-MW3	Total Recoverable	Water	6020B	881956
310-339498-3	AP-4-MW4	Total Recoverable	Water	6020B	881956
310-339498-4	AP-4-MW5	Total Recoverable	Water	6020B	881956
310-339498-5	AP-4-MW6	Total Recoverable	Water	6020B	881956
310-339498-6	AP-4-MW7	Total Recoverable	Water	6020B	881956
310-339498-7	AP-4-MW Blind Duplicate	Total Recoverable	Water	6020B	881956
MB 500-881956/1-A	Method Blank	Total Recoverable	Water	6020B	881956
LCS 500-881956/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881956
310-339498-1 MS	AP-4-MW1	Total Recoverable	Water	6020B	881956
310-339498-1 MSD	AP-4-MW1	Total Recoverable	Water	6020B	881956
310-339498-1 DU	AP-4-MW1	Total Recoverable	Water	6020B	881956

Analysis Batch: 885079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-339498-1	AP-4-MW1	Total Recoverable	Water	6020B	881956
310-339498-4	AP-4-MW5	Total Recoverable	Water	6020B	881956
310-339498-1 MS	AP-4-MW1	Total Recoverable	Water	6020B	881956
310-339498-1 MSD	AP-4-MW1	Total Recoverable	Water	6020B	881956
310-339498-1 DU	AP-4-MW1	Total Recoverable	Water	6020B	881956

Eurofins Cedar Falls

QC Association Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

General Chemistry

Analysis Batch: 498578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-339498-1	AP-4-MW1	Total/NA	Water	SM 4500 H+ B	
310-339498-2	AP-4-MW3	Total/NA	Water	SM 4500 H+ B	
310-339498-3	AP-4-MW4	Total/NA	Water	SM 4500 H+ B	
310-339498-4	AP-4-MW5	Total/NA	Water	SM 4500 H+ B	
310-339498-5	AP-4-MW6	Total/NA	Water	SM 4500 H+ B	
310-339498-6	AP-4-MW7	Total/NA	Water	SM 4500 H+ B	
310-339498-7	AP-4-MW Blind Duplicate	Total/NA	Water	SM 4500 H+ B	
LCS 310-498578/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
310-339498-1 DU	AP-4-MW1	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 498751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-339498-1	AP-4-MW1	Total/NA	Water	SM 2540C	
310-339498-2	AP-4-MW3	Total/NA	Water	SM 2540C	
310-339498-3	AP-4-MW4	Total/NA	Water	SM 2540C	
310-339498-4	AP-4-MW5	Total/NA	Water	SM 2540C	
310-339498-5	AP-4-MW6	Total/NA	Water	SM 2540C	
310-339498-6	AP-4-MW7	Total/NA	Water	SM 2540C	
310-339498-7	AP-4-MW Blind Duplicate	Total/NA	Water	SM 2540C	
MB 310-498751/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-498751/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW1

Lab Sample ID: 310-339498-1

Date Collected: 08/25/26 09:05

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 09:20
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	885079	RN	EET CHI	09/23/26 17:48
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 17:25
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:52

Client Sample ID: AP-4-MW3

Lab Sample ID: 310-339498-2

Date Collected: 08/25/26 10:02

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 09:33
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 18:25
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:54

Client Sample ID: AP-4-MW4

Lab Sample ID: 310-339498-3

Date Collected: 08/25/26 11:31

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 10:09
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 18:28
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:55

Client Sample ID: AP-4-MW5

Lab Sample ID: 310-339498-4

Date Collected: 08/25/26 14:22

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 10:21
Total/NA	Analysis	9056A		50	498893	HE7K	EET CF	08/28/26 10:33
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		10	885079	RN	EET CHI	09/23/26 18:11
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 18:30
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:56

Eurofins Cedar Falls

Lab Chronicle

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Client Sample ID: AP-4-MW6

Lab Sample ID: 310-339498-5

Date Collected: 08/25/26 13:23

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 10:45
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 18:33
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:57

Client Sample ID: AP-4-MW7

Lab Sample ID: 310-339498-6

Date Collected: 08/25/26 12:12

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 10:57
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 18:35
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:58

Client Sample ID: AP-4-MW Blind Duplicate

Lab Sample ID: 310-339498-7

Date Collected: 08/25/26 00:00

Matrix: Water

Date Received: 08/27/26 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	498893	HE7K	EET CF	08/28/26 11:09
Total Recoverable	Prep	3005A			881956	BDE	EET CHI	09/02/26 09:01 - 09/02/26 15:01 ¹
Total Recoverable	Analysis	6020B		1	884893	RN	EET CHI	09/22/26 18:37
Total/NA	Analysis	SM 2540C		1	498751	DGU1	EET CF	08/28/26 11:49
Total/NA	Analysis	SM 4500 H+ B		1	498578	W9YR	EET CF	08/27/26 07:59

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	IA100001	09-29-26

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-27
Georgia (DW)	State	939	05-31-27
Illinois	NELAP	100201	05-31-27
Indiana	State	C-IL-02	05-31-27
Iowa	State	082	05-01-28
Kansas	NELAP	E-10161	10-31-26
Kentucky (UST)	State	108083	05-31-27
Kentucky (WW)	State	KY90023	12-31-26
Louisiana (All)	NELAP	02046	06-30-27
Minnesota	NELAP	017-999-506	12-31-26
Mississippi	State	NA	05-31-27
North Carolina (WW/SW)	State	291	12-31-26
North Dakota	State	R-194	05-30-27
Oklahoma	State	8908	12-31-26
South Carolina	State	77001	05-31-27
USDA	US Federal Programs	525-25-237-16455	08-25-28
Wisconsin	State	399172840	08-31-27
Wyoming	State	8TMS-Q	05-31-27

Method Summary

Client: Nebraska Public Power District
Project/Site: Sheldon Station ash Landfill #4 CCR New

Job ID: 310-339498-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 H+ B	pH	SM	EET CF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI

Protocol References:

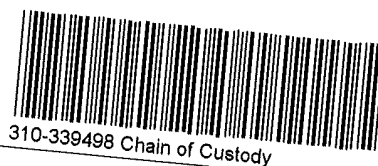
SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200



Cooler/Sample Receipt and Temperature Log

Client Information			
Client: <u>UPPD</u>			
City/State:	CITY <u>Hallam</u>	STATE <u>NE</u>	Project:
Receipt Information			
Date/Time Received:	DATE <u>08/27/2020</u>	TIME <u>0735</u>	Received By: <u>ES</u>
Delivery Type: ☒ UPS <u>Early</u> ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No If yes: Cooler ID: _____			
Multiple Coolers? ☐ Yes ☒ No If yes: Cooler # _____ of _____			
Cooler Custody Seals Present? ☒ Yes ☐ No If yes: Cooler custody seals intact? ☐ Yes ☐ No			
Sample Custody Seals Present? ☐ Yes ☒ No If yes: Sample custody seals intact? ☐ Yes ☐ No			
Trip Blank Present? ☐ Yes ☒ No If yes: Which VOA samples are in cooler? ↓			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>CL</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u> <u>plc 1L NT</u>		<u>CONTAINER 2</u>
Uncorrected Temp °C:	<u>2.4</u>		
Corrected Temp °C:	<u>2.4</u>		
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No			
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Client Information		Sample: Todd A. Chinn		Lab PM: Calhoun Conner M		Carrier Tracking No(s): 310-115005-27710 1	
Client Contact: Todd A. Chinn		Phone: 402-787-5256		E-Mail: Conner.Calhoun@et.eurofinsus.com		Page: Page 1 of 1	
Company: Nebraska Public Power District		Address: 4500 West Pella Road		City: Hallam		State: NE, 68368	
Phone: 402-787-5256		PO #: 4500166705		TAT Requested (days): Nonchal		Job #: 	
Email: tachinn@nppd.com		Project #: 31006953		Compliance Project: Yes		Preservation Codes: N - None D - HNO3	
Site: Sheldon Station Ash Landfill #4 CCR New		SSOW#: 		Due Date Requested: 		Other: 	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, As=Air, DW=Drinking Water)		Preservation Code:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
AP-4-MW1		8-25-26		0905		G	
AP-4-MW2		N/A		N/A		N/A	
AP-4-MW3		8-25-26		1002		G	
AP-4-MW4		8-25-26		1131		G	
AP-4-MW5		8-25-26		1422		G	
AP-4-MW6		8-25-26		1323		G	
AP-4-MW7		8-25-26		1212		G	
AP-4-MW Blind Duplicate		8-25-26		N/A		G	
Possible Hazard Identification		☒ Non-Hazard		☐ Flammable		☐ Skin Irritant	
Deliverable Requested 1, II, III, IV, Other (specify)		☐ Poison B		☐ Unknown		☐ Radiological	
Empty Kit Relinquished by		Date:		Time:		Method of Shipment:	
Relinquished by		Date/Time:		Received by		Date/Time:	
Relinquished by		Date/Time:		Received by		Date/Time:	
Relinquished by		Date/Time:		Received by		Date/Time:	
Custody Seals Intact:		Yes		No		Custody Seal No	

- 1
- 2
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- 14

Unchilled

Login Sample Receipt Checklist

Client: Nebraska Public Power District

Job Number: 310-339498-1

Login Number: 339498

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Schaufenbuel, Erin

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Nebraska Public Power District

Job Number: 310-339498-1

Login Number: 339498

List Number: 2

Creator: Scott, Sherri L

List Source: Eurofins Chicago

List Creation: 08/28/26 01:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Appendix B

Field notes



Page 1 of 1

[illegible]

WELL PURGING-FIELD QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) <u>NPPD SS Ash Landfill #4</u> Well Number <u>AP4-MW2</u> Date <u>8-25-2024</u> Field Personnel <u>Todd A. Chinn Patricia A. Novak</u> Sampling Organization <u>NPPD</u> Identify MP <u>Top of Casing</u>										Depth to <u>10.9</u> / <u>31.4</u> of screen Top Bottom Pump Intake at (ft. below MP) <u>29.9</u> Purging Device; (pump type) <u>Micro Purge</u> Total Volume Purged <u>200mL</u>	
Well Conditions/ Field Observations: <u>71°, Partly Cloudy, 3mph from the South</u>											
Clock Time 24hr	Water Depth below MP ft	Pump Dial Setting	Purge Rate mL/min	Cum. Volume Purged in milliliters	Temp C°	Specific Conductivity µmhos	pH MP-20	pH Lab Accumet	%DO	ORP mv	Comments
0917	top of casing										Start Pump Cell is full - Sucking air no more water Stopped
0922					18.03	2118	7.08		104.7	166.7	
0927											
0930				200mL							

WELL PURGING-FIELD QUALITY MEASUREMENTS FORM

[illegible]

Page 1 of 1

Depth to 11.0 / 37.0 of screen
Top Bottom
Pump Intake at (ft. below MP) 35.0
Purging Device; (pump type) Micro Purge
Total Volume Purged 10000 mL

73°, partly cloudy, 3 mph from the SW

[illegible]

Page 1 of 1

Depth to 10.2 / 36.2 of screen
Top Bottom
Pump Intake at (ft. below MP) 34.2
Purging Device; (pump type) Micro Purge
Total Volume Purged 4900 mL

Well Conditions/ Field Observations: 80°, mostly cloudy, 4 mph from the West										
	Water			Cum						

[illegible]

Page 1 of 1

Depth to 10.1 / 36.1 of screen
Top Bottom
Pump Intake at (ft. below MP) 34.1
Purging Device; (pump type) Micro Purge
Total Volume Purged _____

78°, Cloudy. 3mph from the SW

[illegible]

Page 4 of 1

Well Conditions/ Field Observations: 74° Cloudy. 5mph from the SW

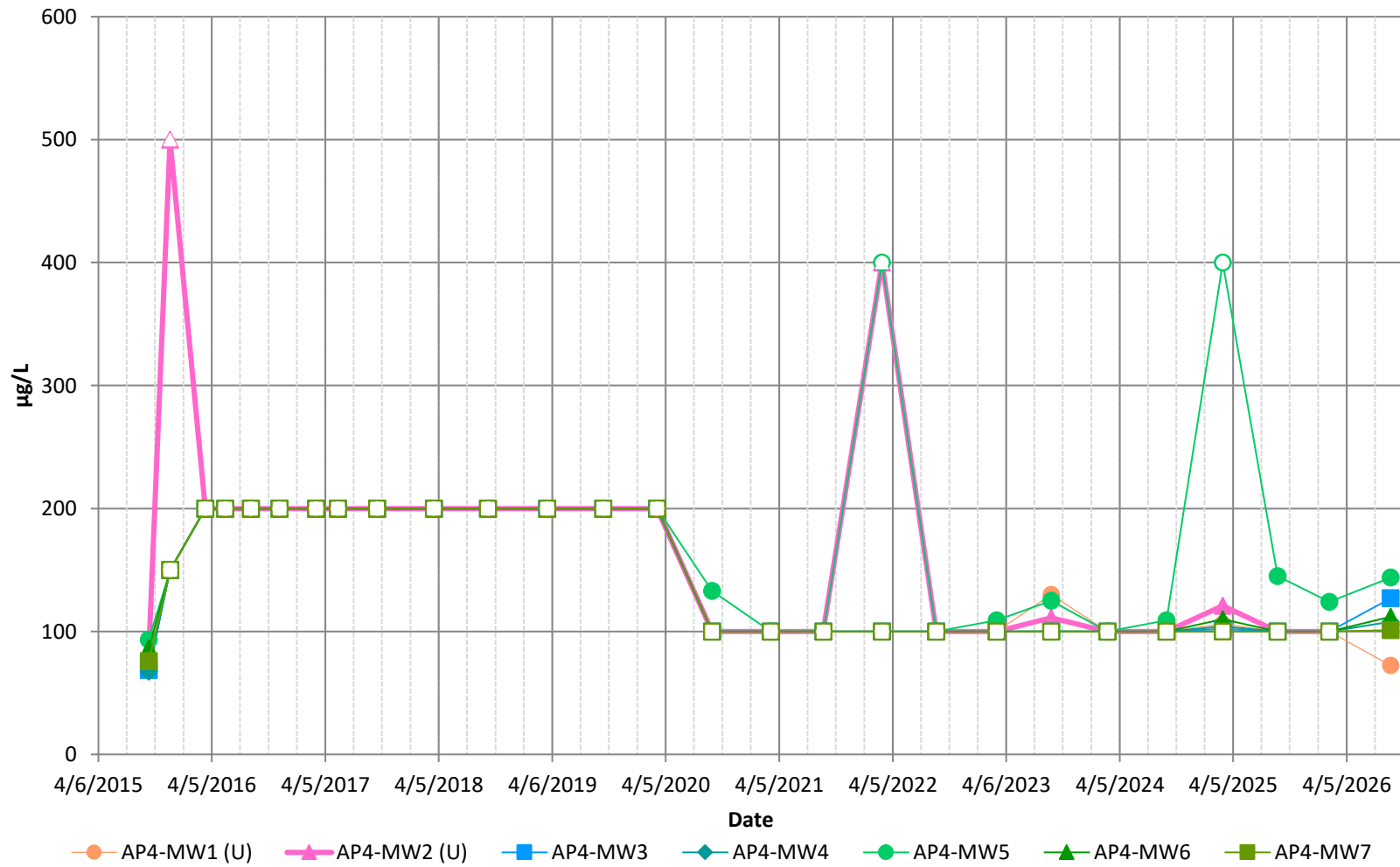
[illegible]



Appendix C

Time series data





Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-1
Boron

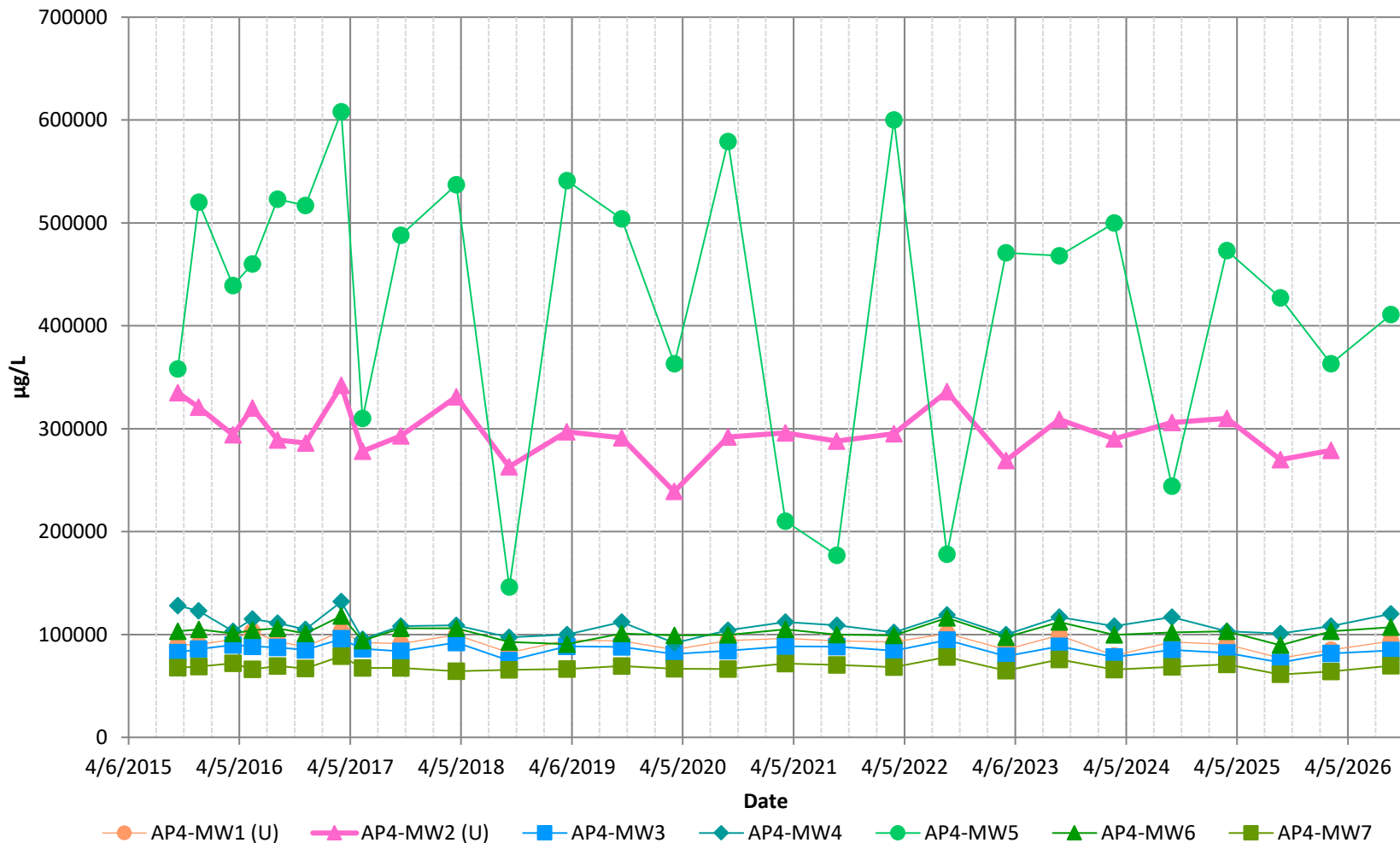
Nebraska Public Power District
Sheldon Station

Denver, Colorado, USA

10/10/2026

US0054356.2344

WSP USA Inc.



Non-detects plotted at the practical quantitation limit with an open symbol

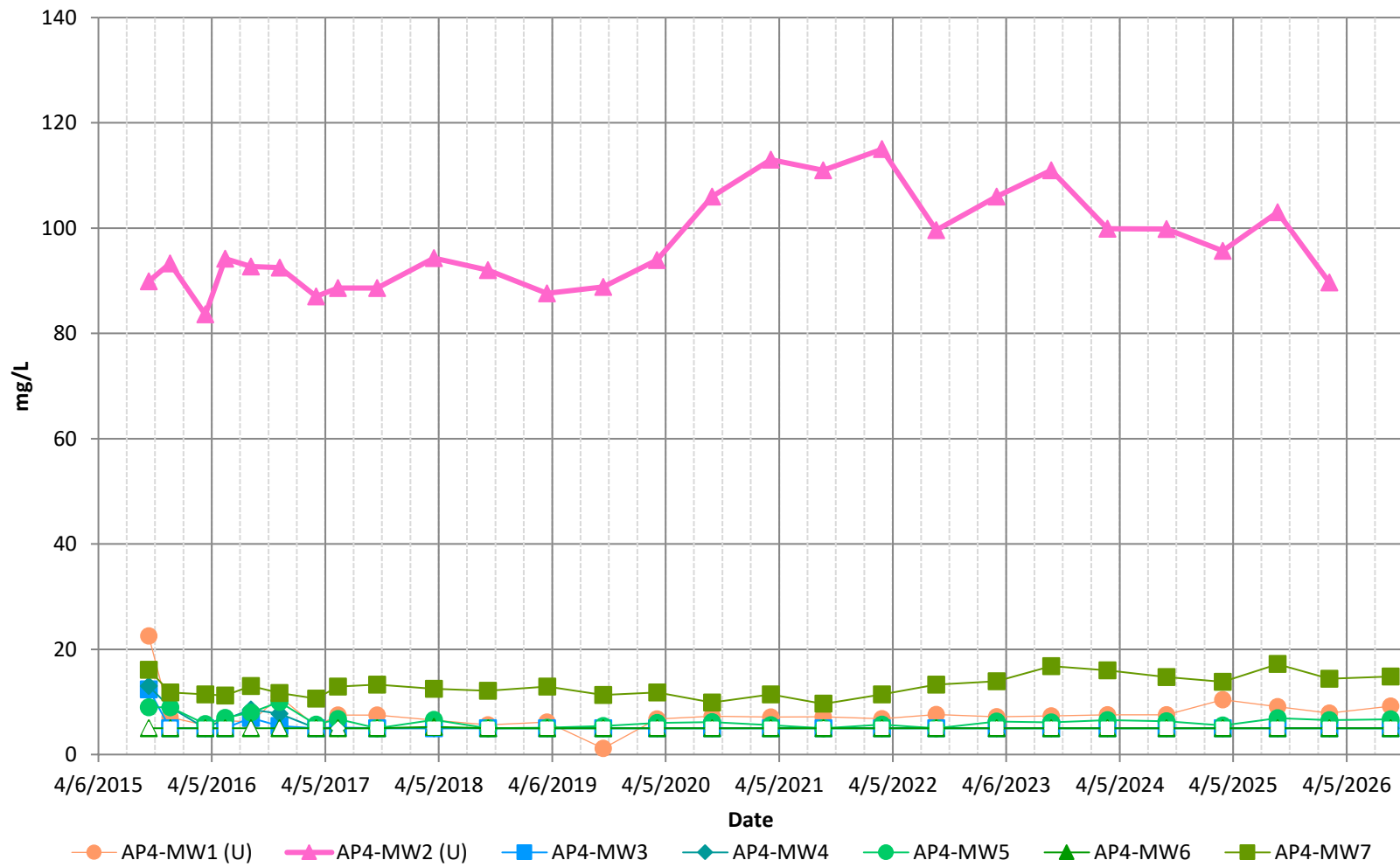
Figure C-2
Calcium

Nebraska Public Power District
Sheldon Station

Denver, Colorado, USA
US0054356.2344

WSP USA Inc.

10/10/2026



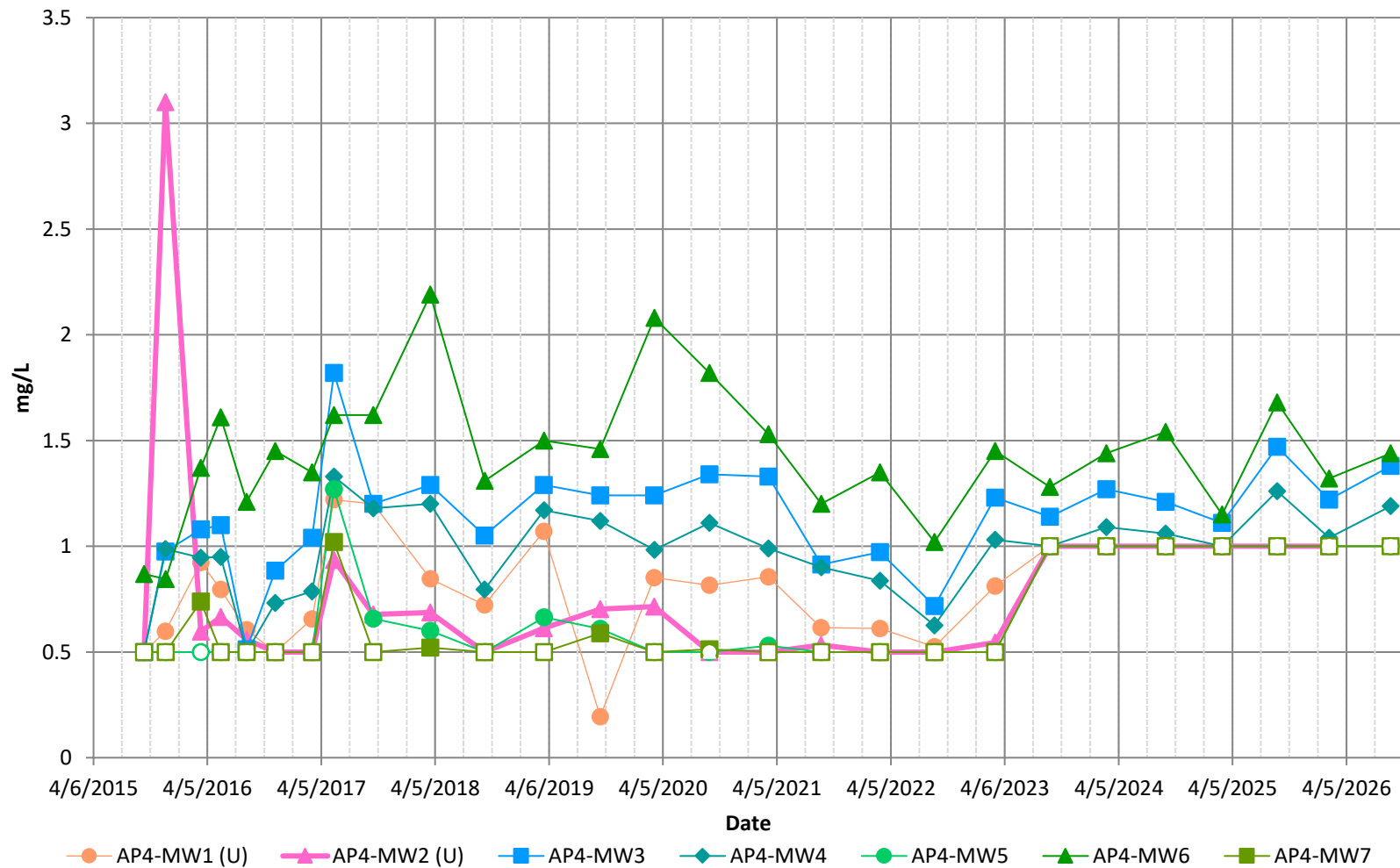
Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-3
Chloride

Nebraska Public Power District
Sheldon Station

Denver, Colorado, USA
US0054356.2344

WSP USA Inc.



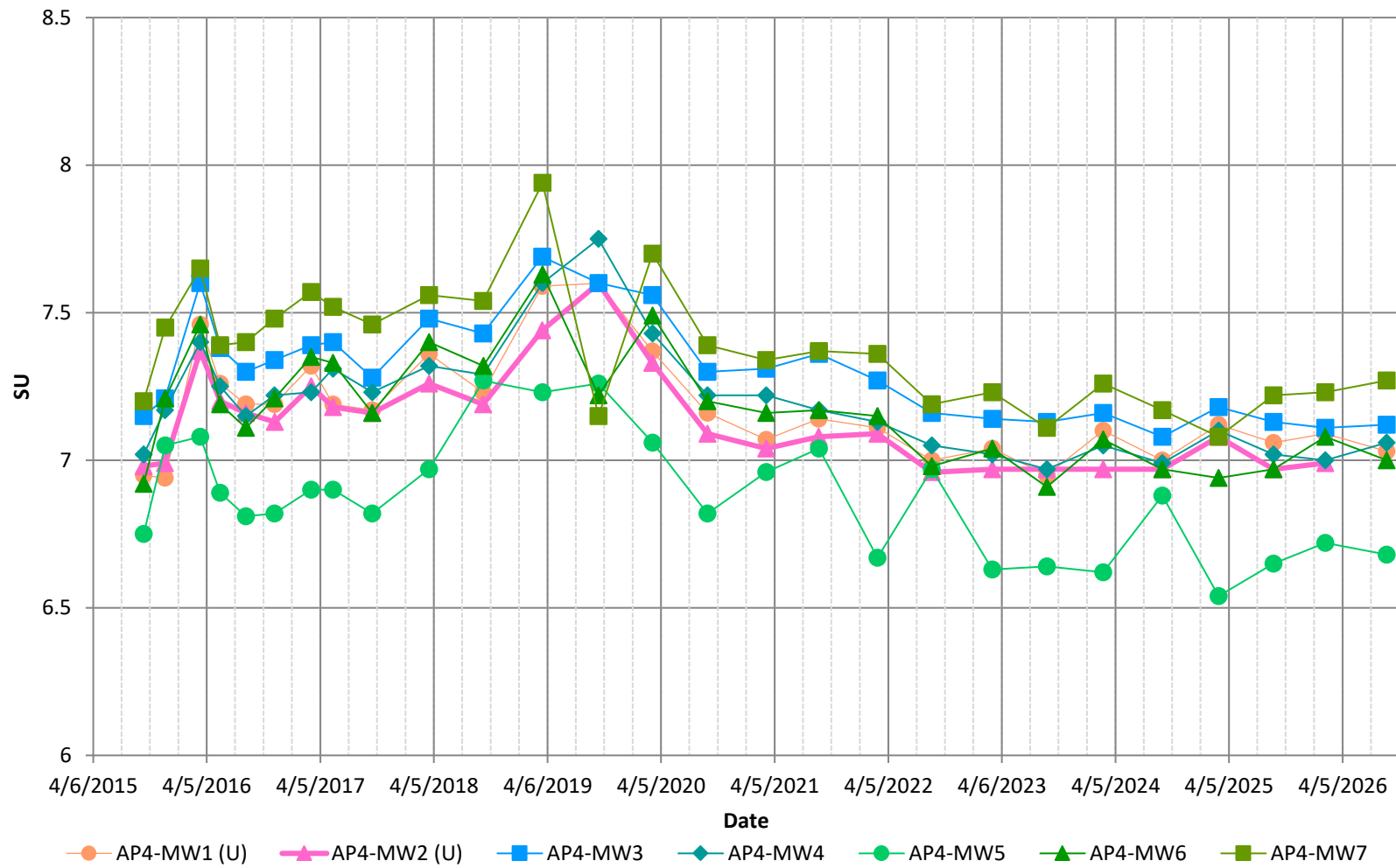
Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-4
Fluoride

Nebraska Public Power District
Sheldon Station

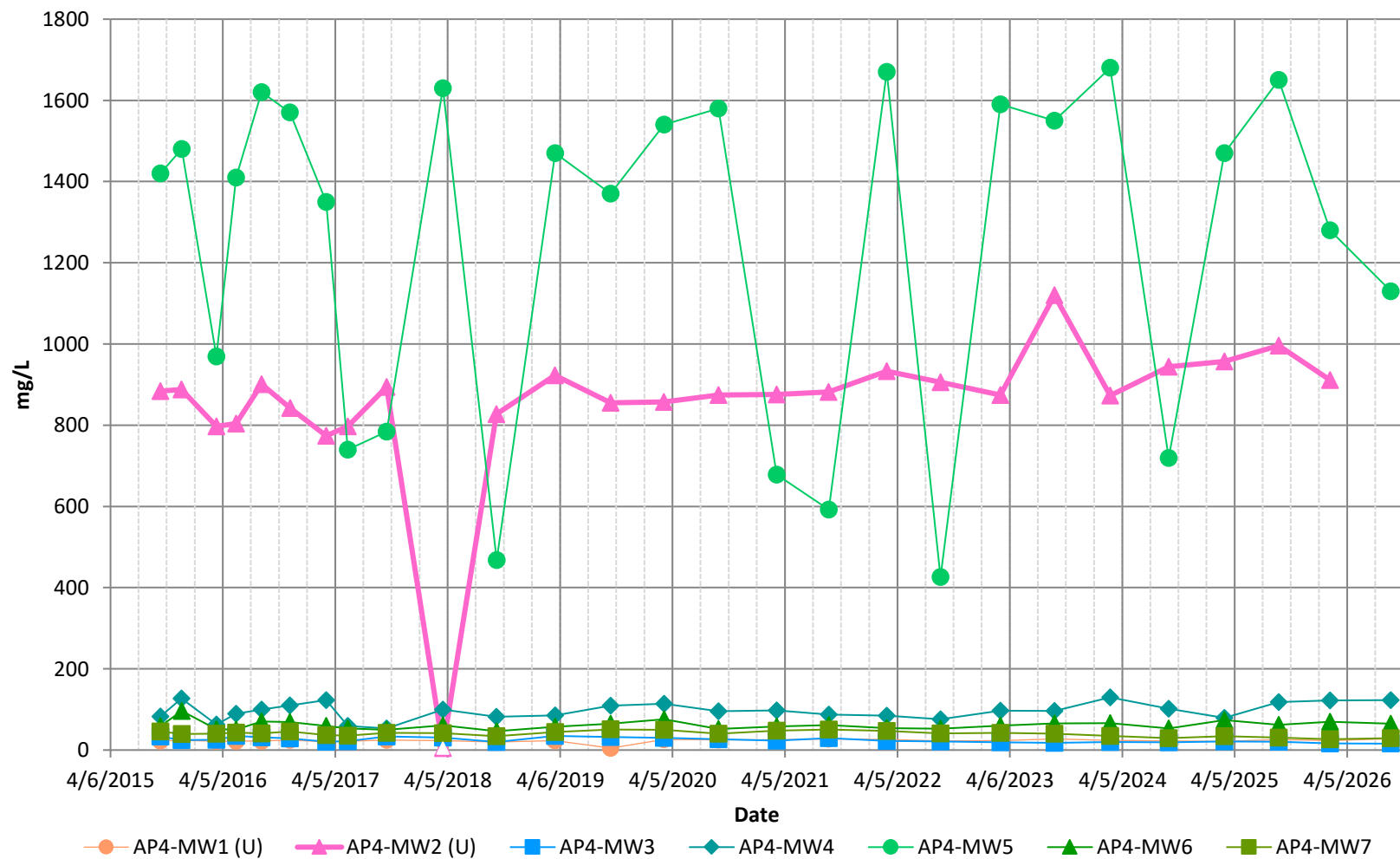
Denver, Colorado, USA
US0054356.2344

WSP USA Inc.



Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-5
pH, Field-Measured
 Nebraska Public Power District
 Sheldon Station



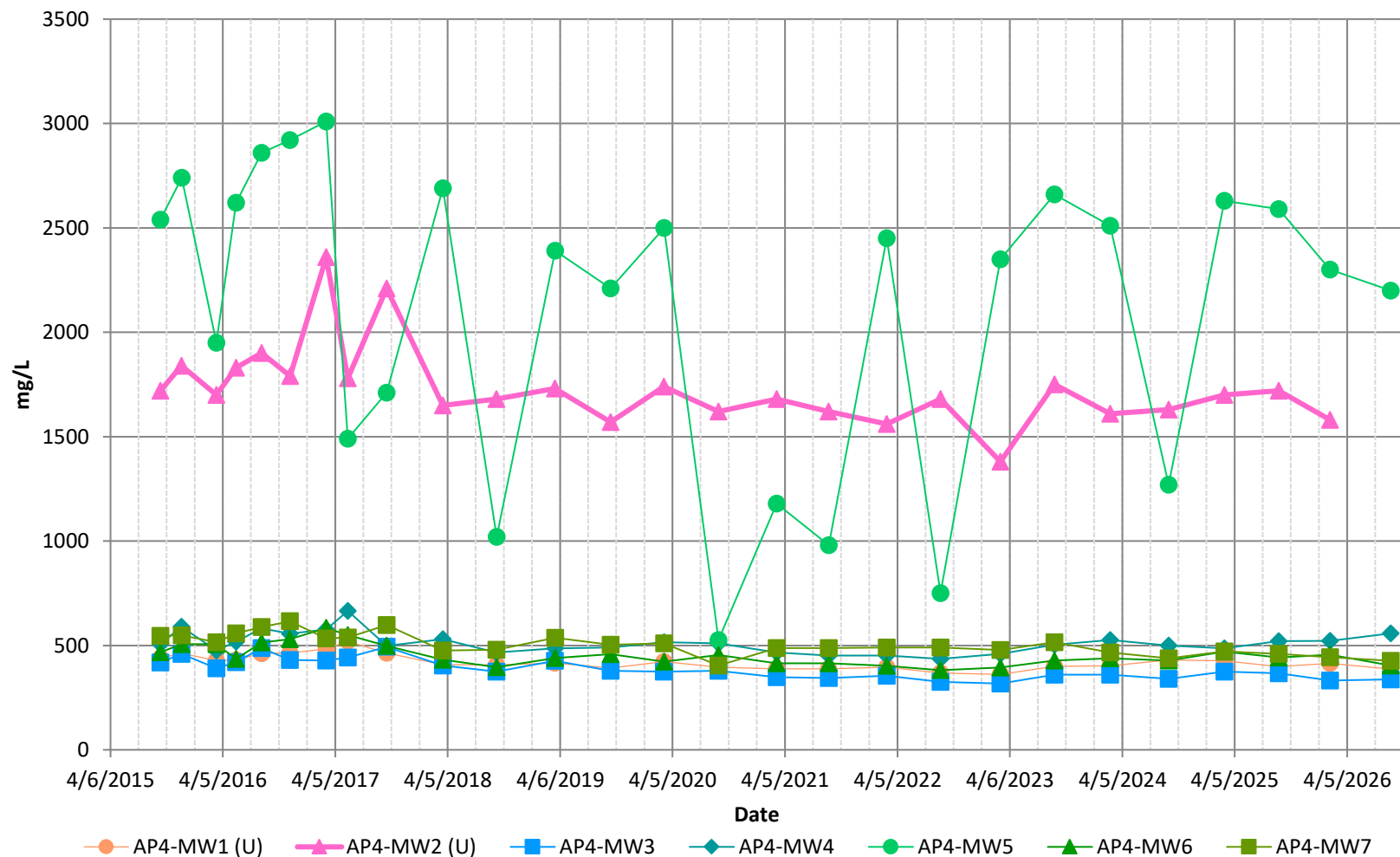
Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-6
Sulfate

Nebraska Public Power District
Sheldon Station

Denver, Colorado, USA
US0054356.2344

WSP USA Inc.



Non-detects plotted at the practical quantitation limit with an open symbol

Figure C-7
Total Dissolved Solids
Nebraska Public Power District
Sheldon Station



Appendix D

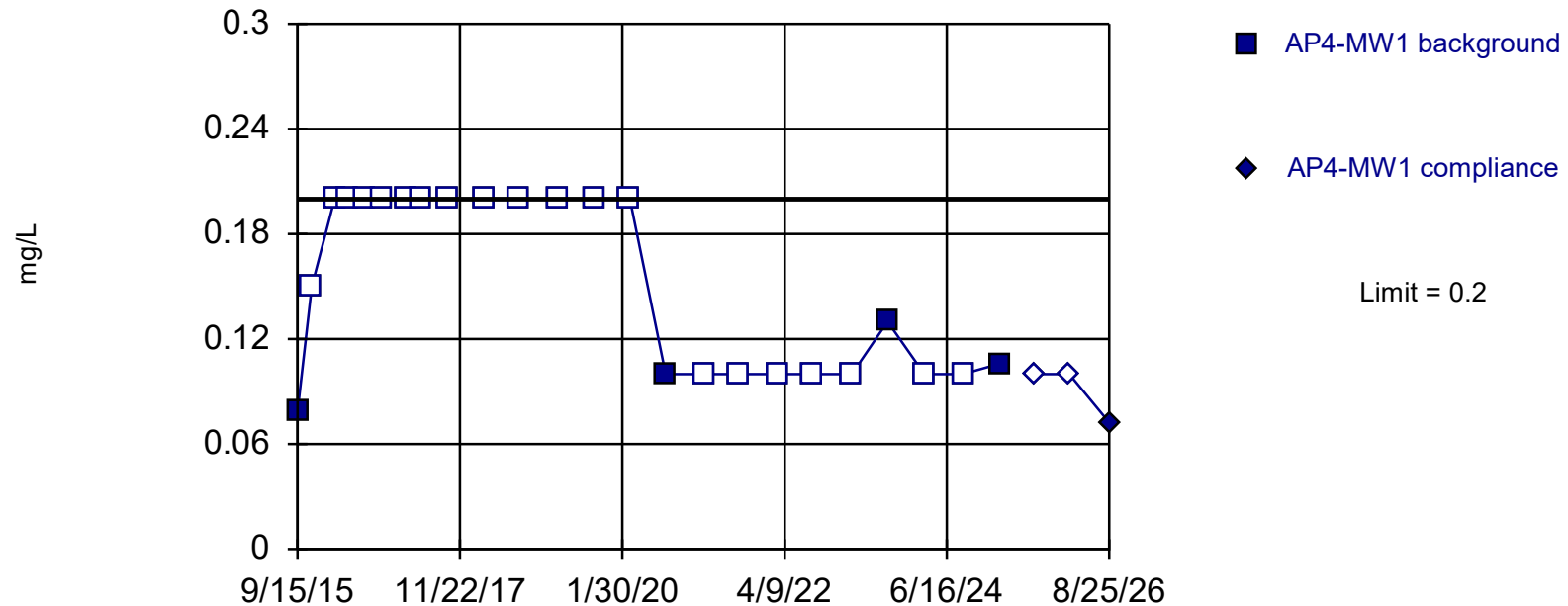
Comparative statistical analysis

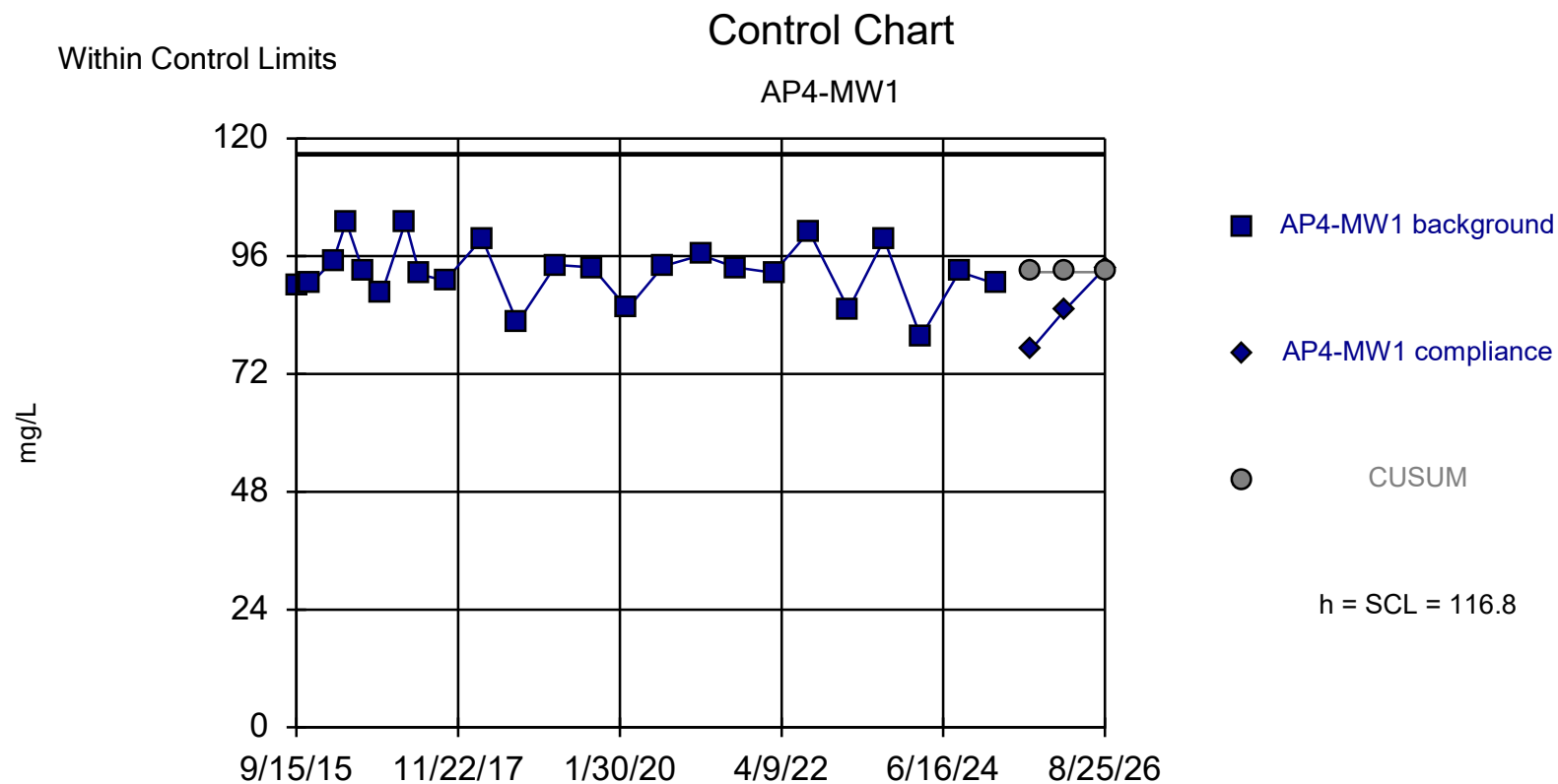


Within Limit

Prediction Limit

Intrawell Non-parametric

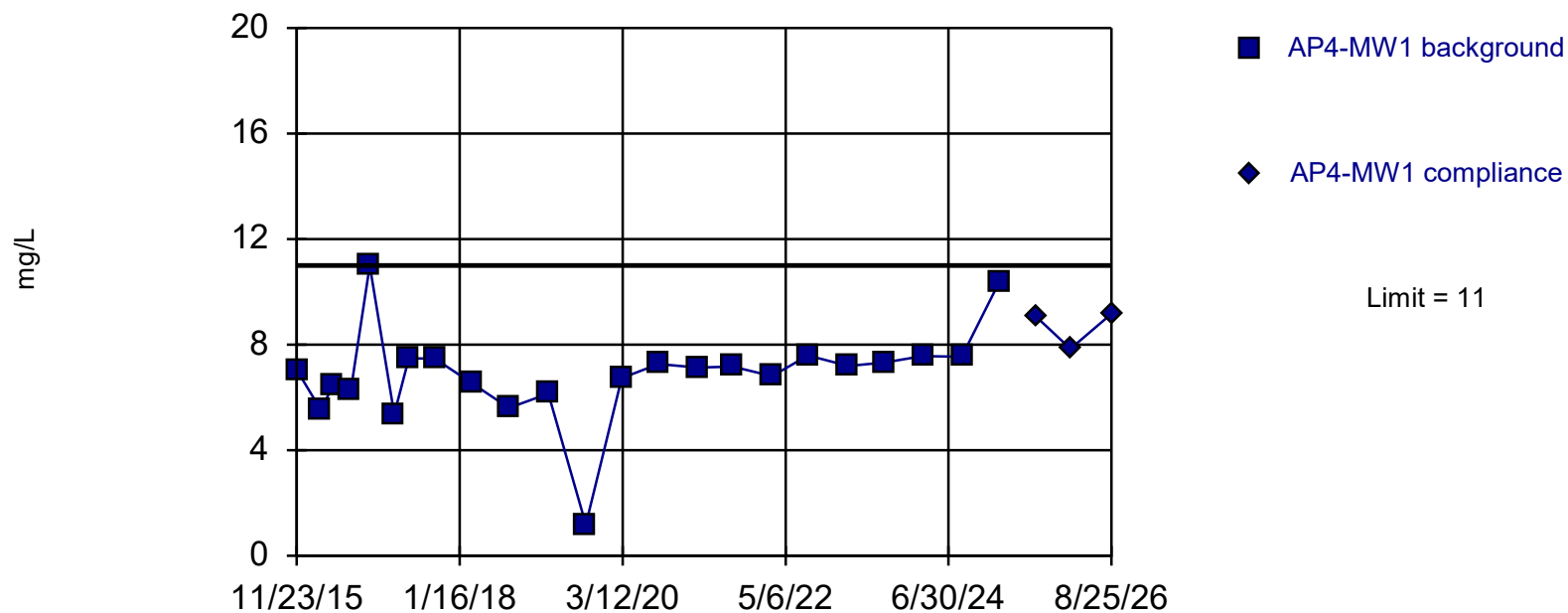




Within Limit

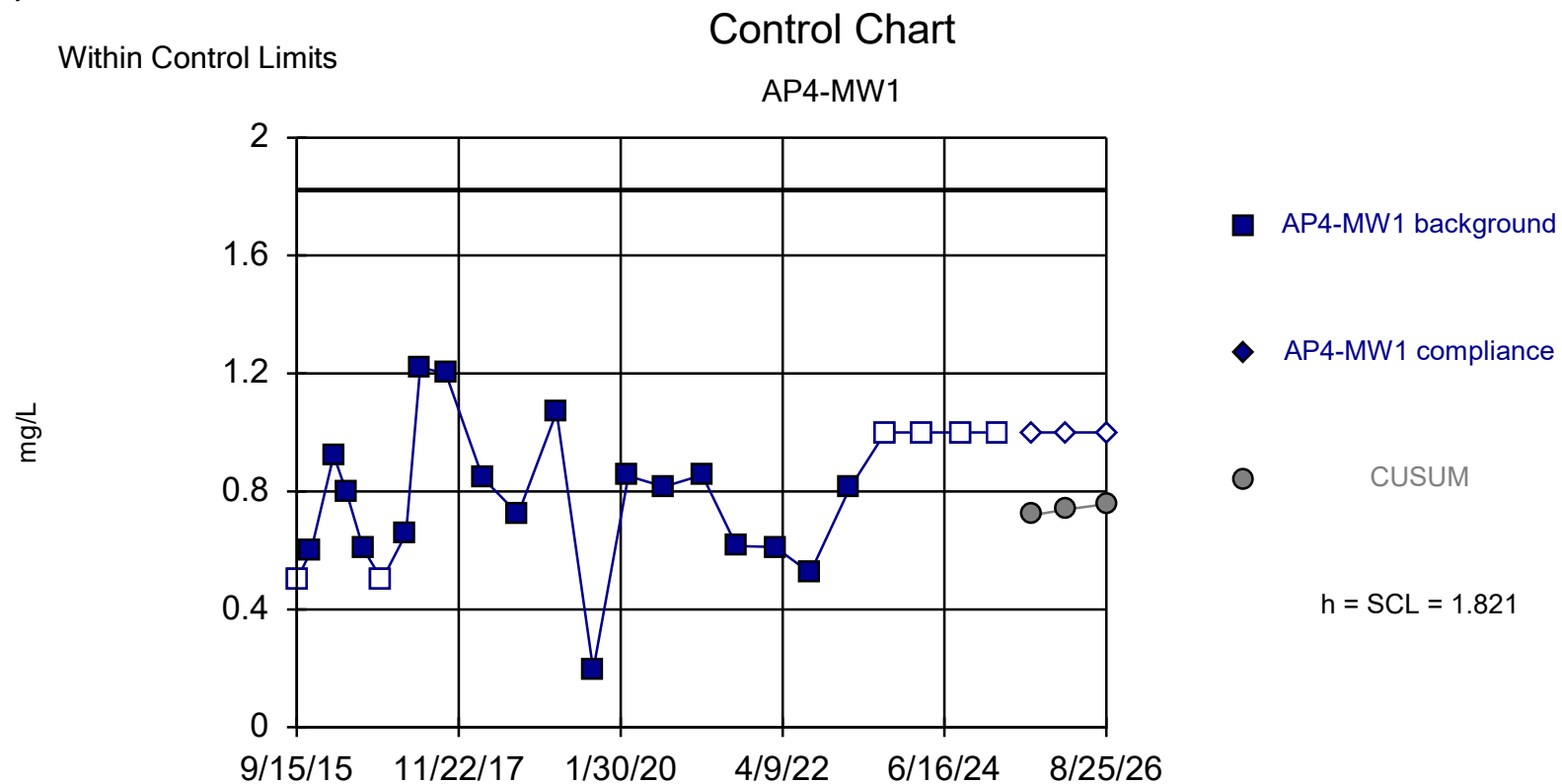
Prediction Limit

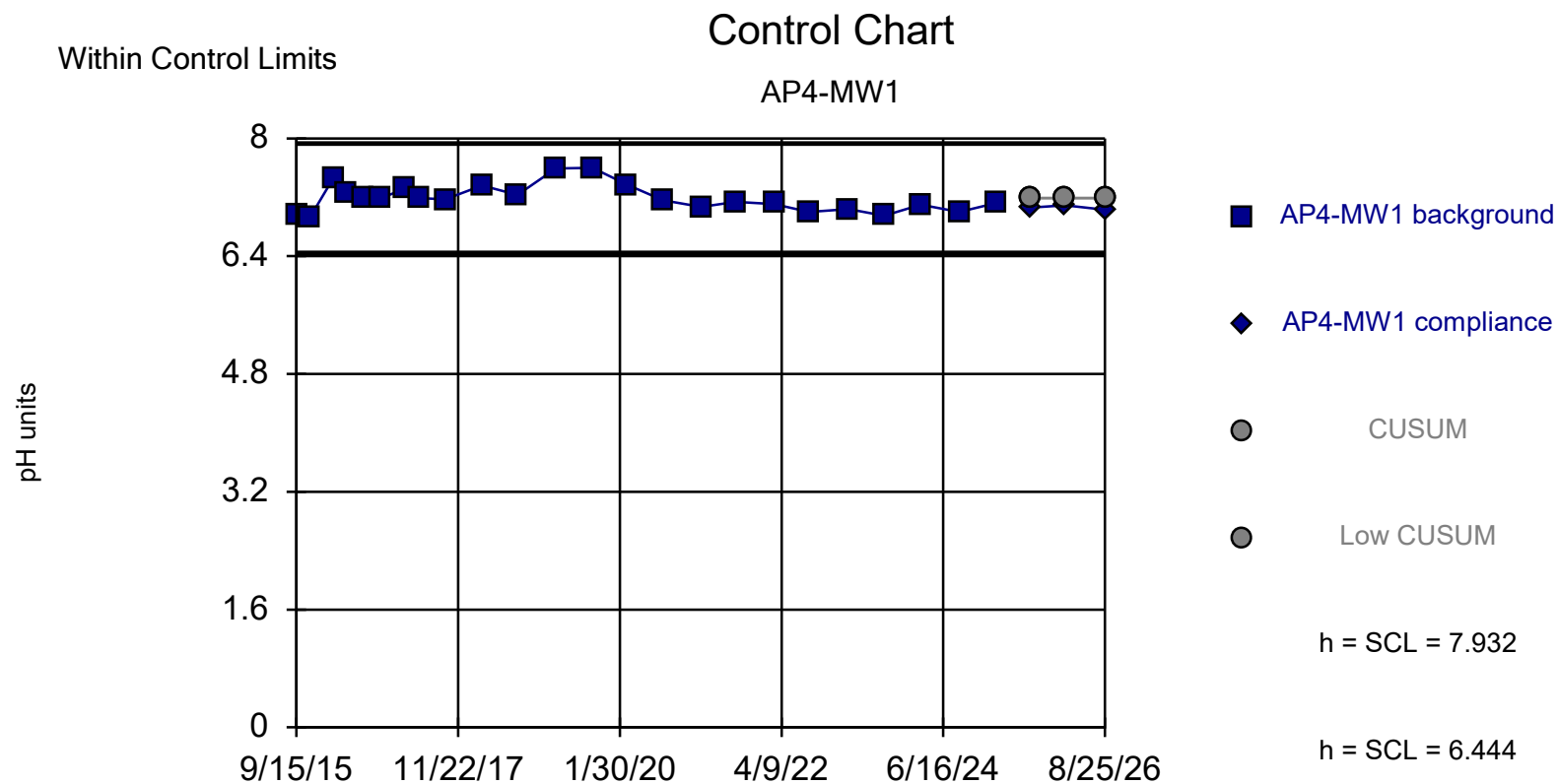
Intrawell Non-parametric

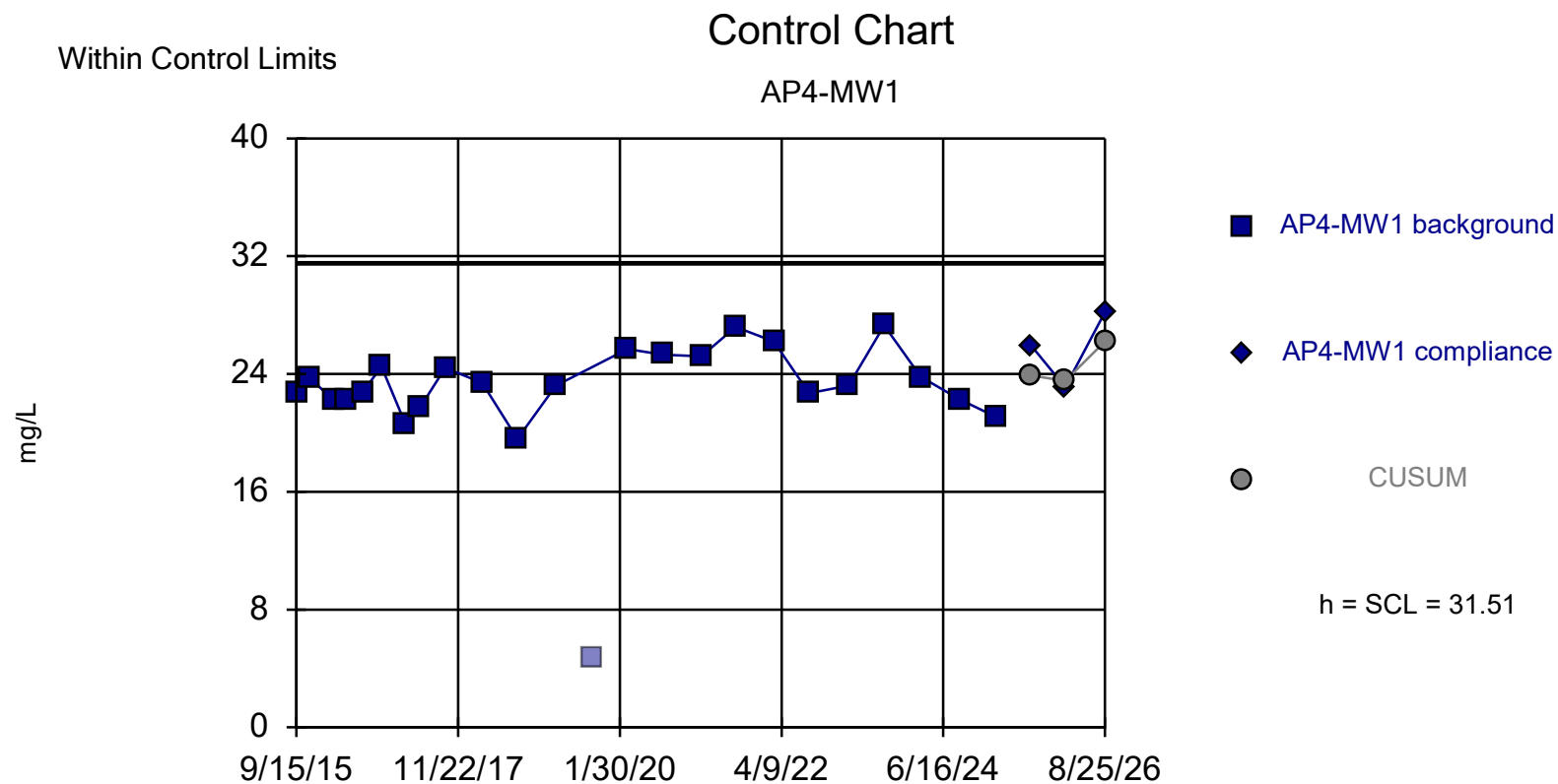


Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 10/6/2026 1:47 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

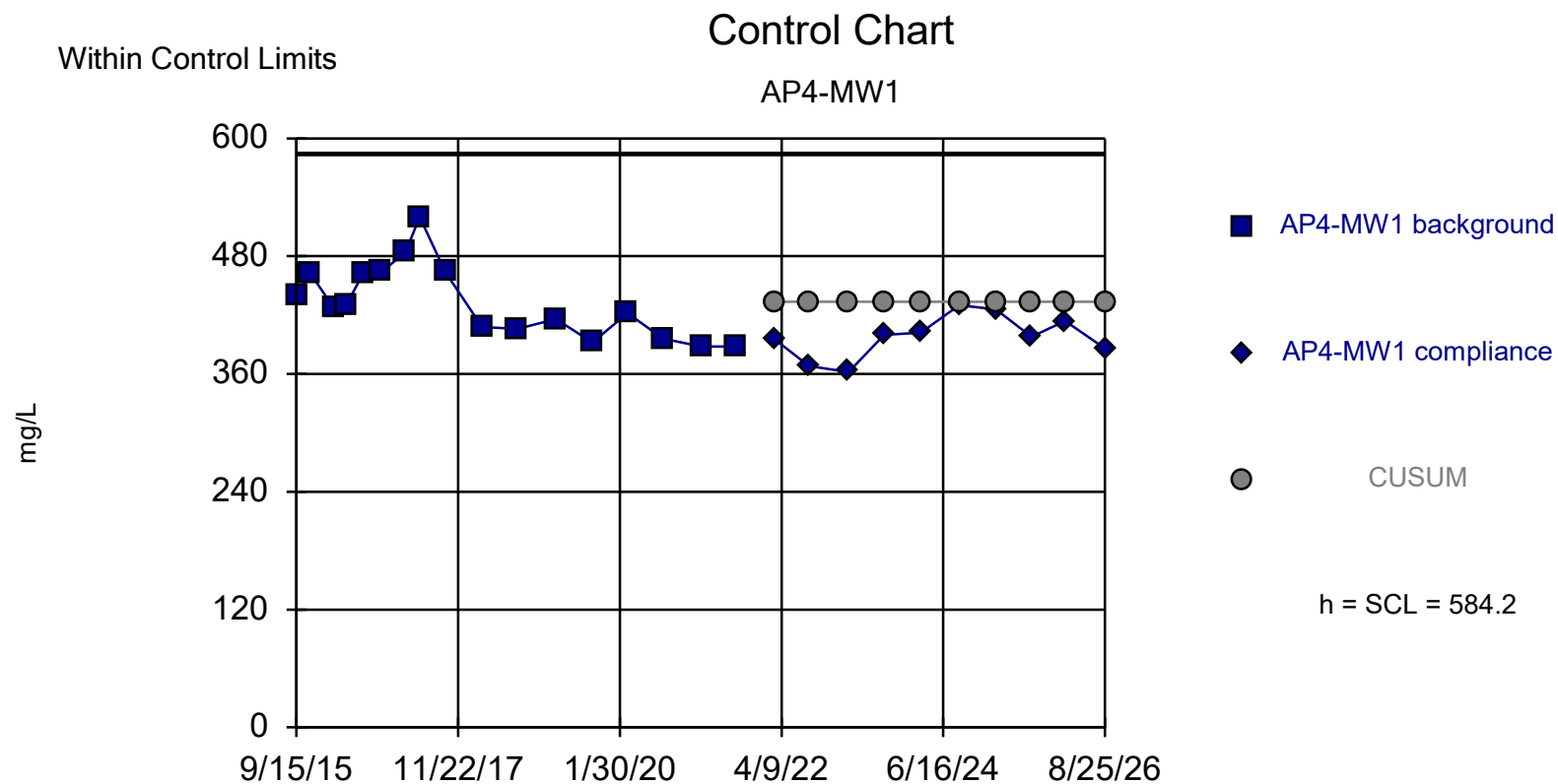






Background Data Summary: Mean=23.53, Std. Dev.=1.995, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9794, critical = 0.914. Report alpha = 0.000842. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Sulfate Analysis Run 10/6/2026 1:50 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026



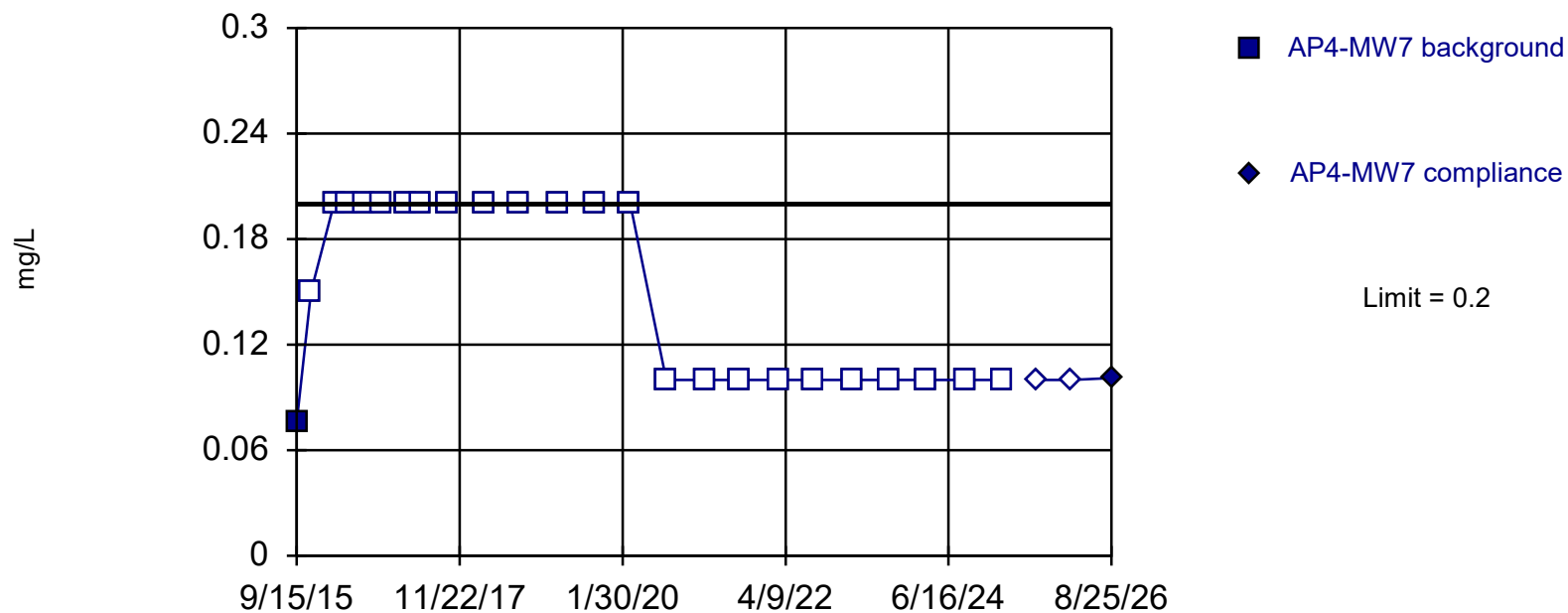
Background Data Summary: Mean=433.5, Std. Dev.=37.68, n=17. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9301, critical = 0.892. Report alpha = 0.00326. Dates ending 8/25/2021 used for control stats. Standardized h=4, SCL=4.

Constituent: Total Dissolved Solids Analysis Run 10/6/2026 1:51 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

Within Limit

Prediction Limit

Intrawell Non-parametric



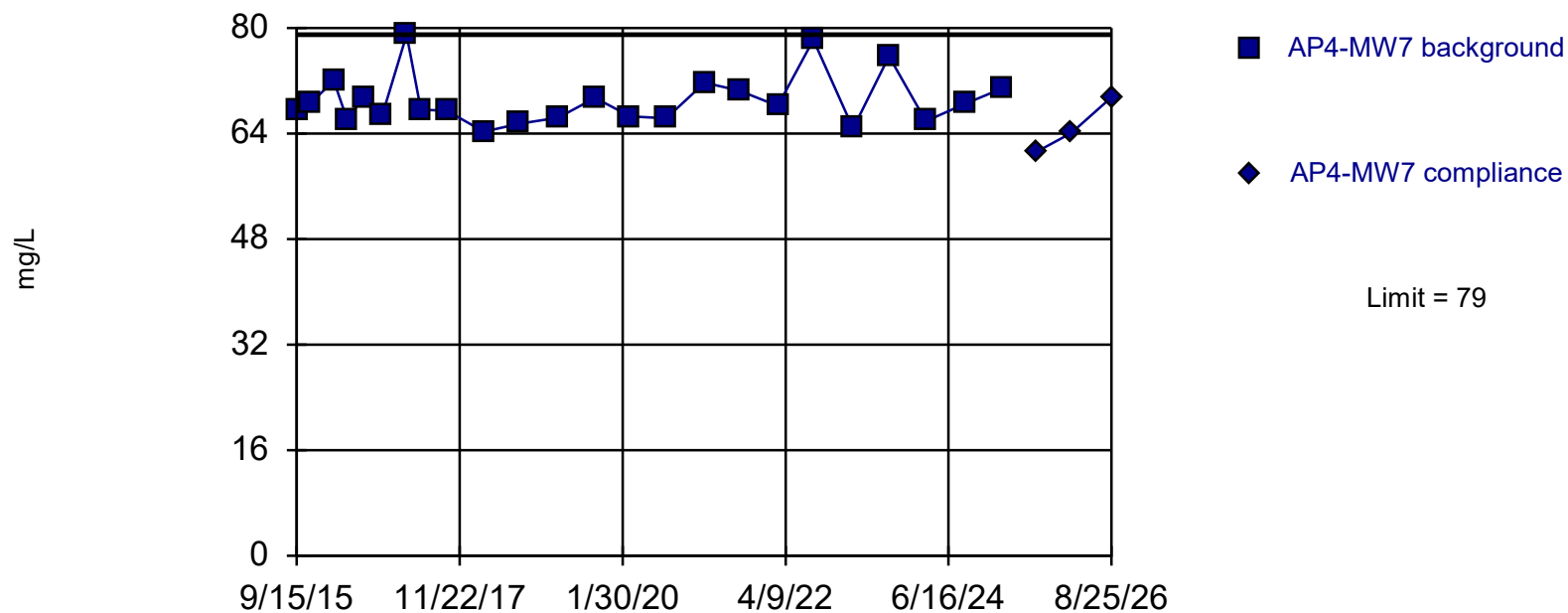
Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

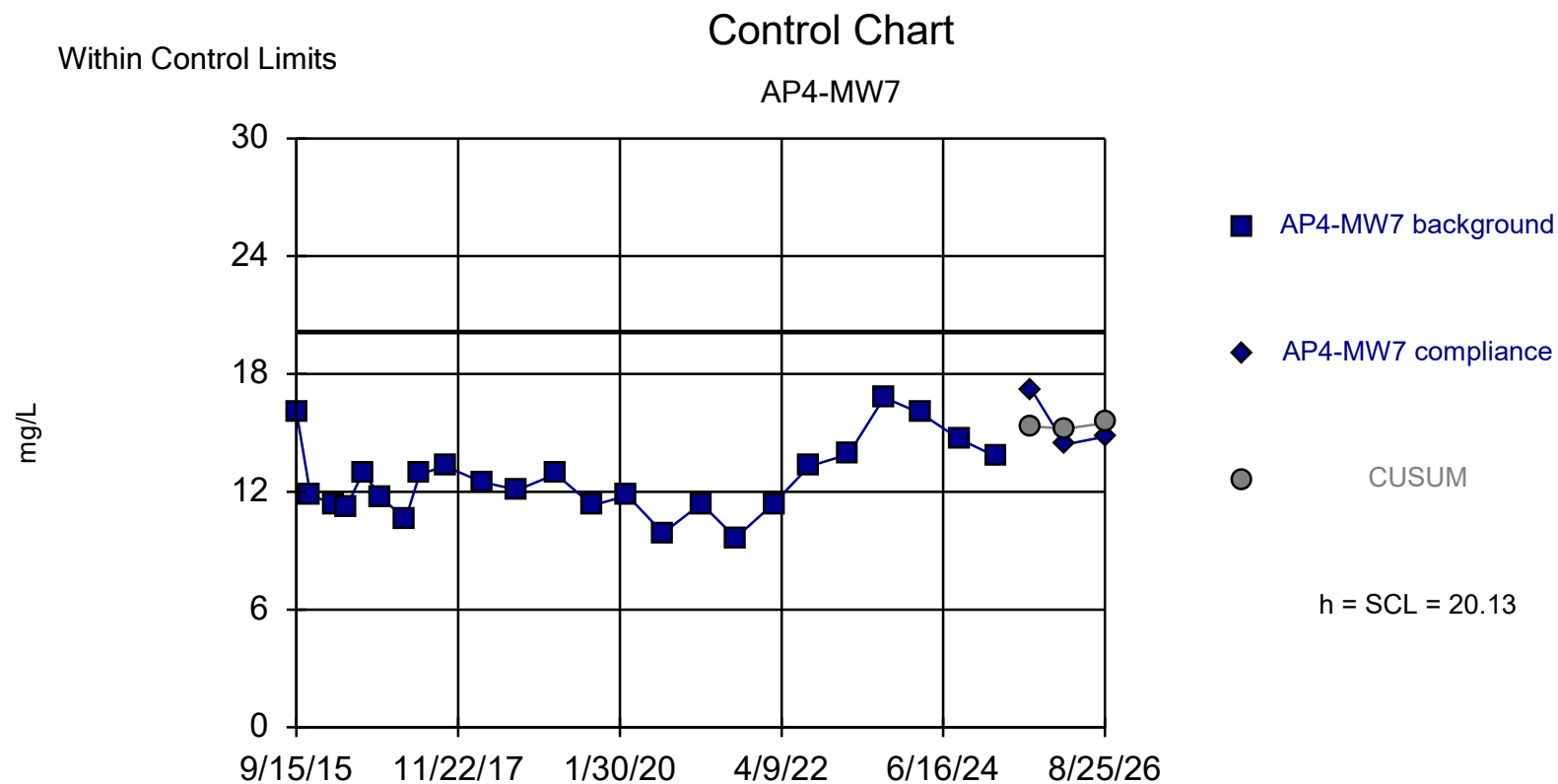
Constituent: Boron Analysis Run 10/6/2026 1:55 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

Within Limit

Prediction Limit

Intrawell Non-parametric

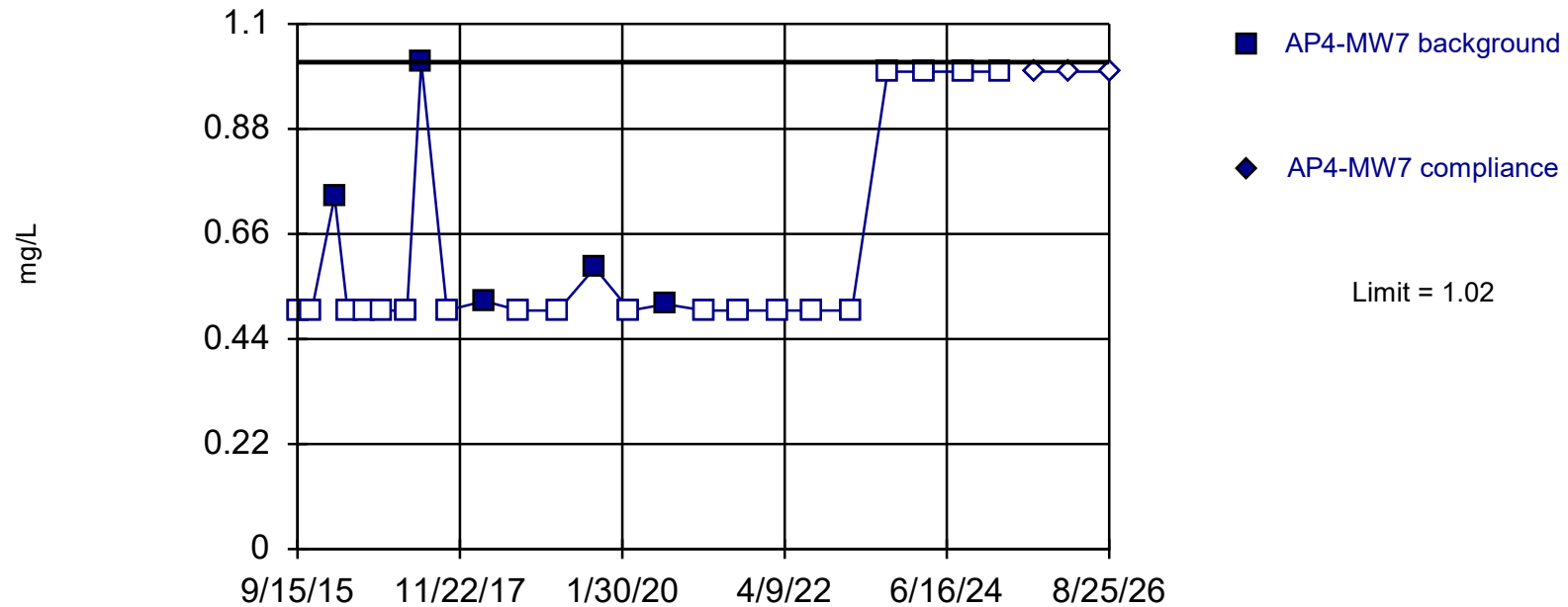


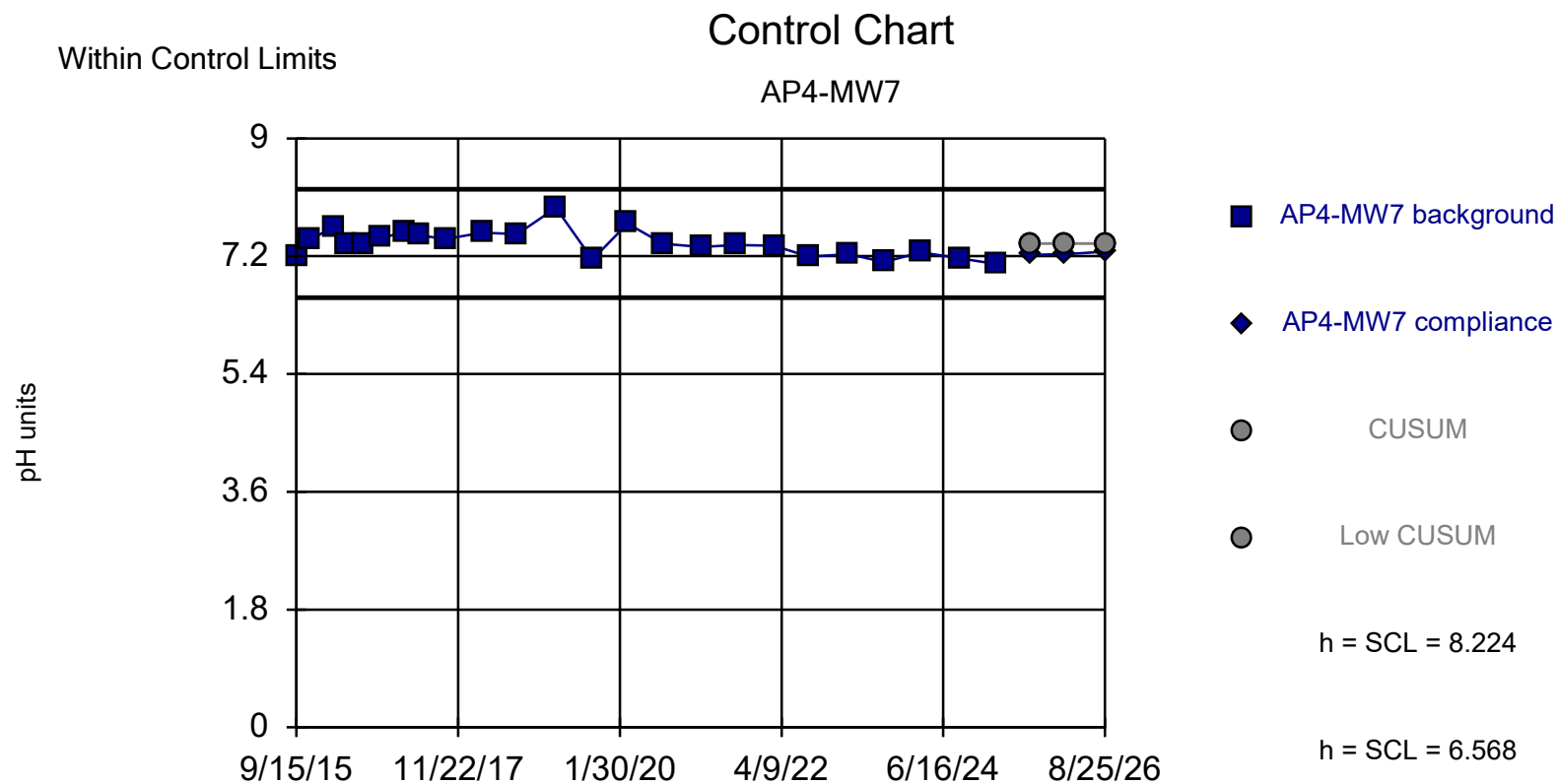


Within Limit

Prediction Limit

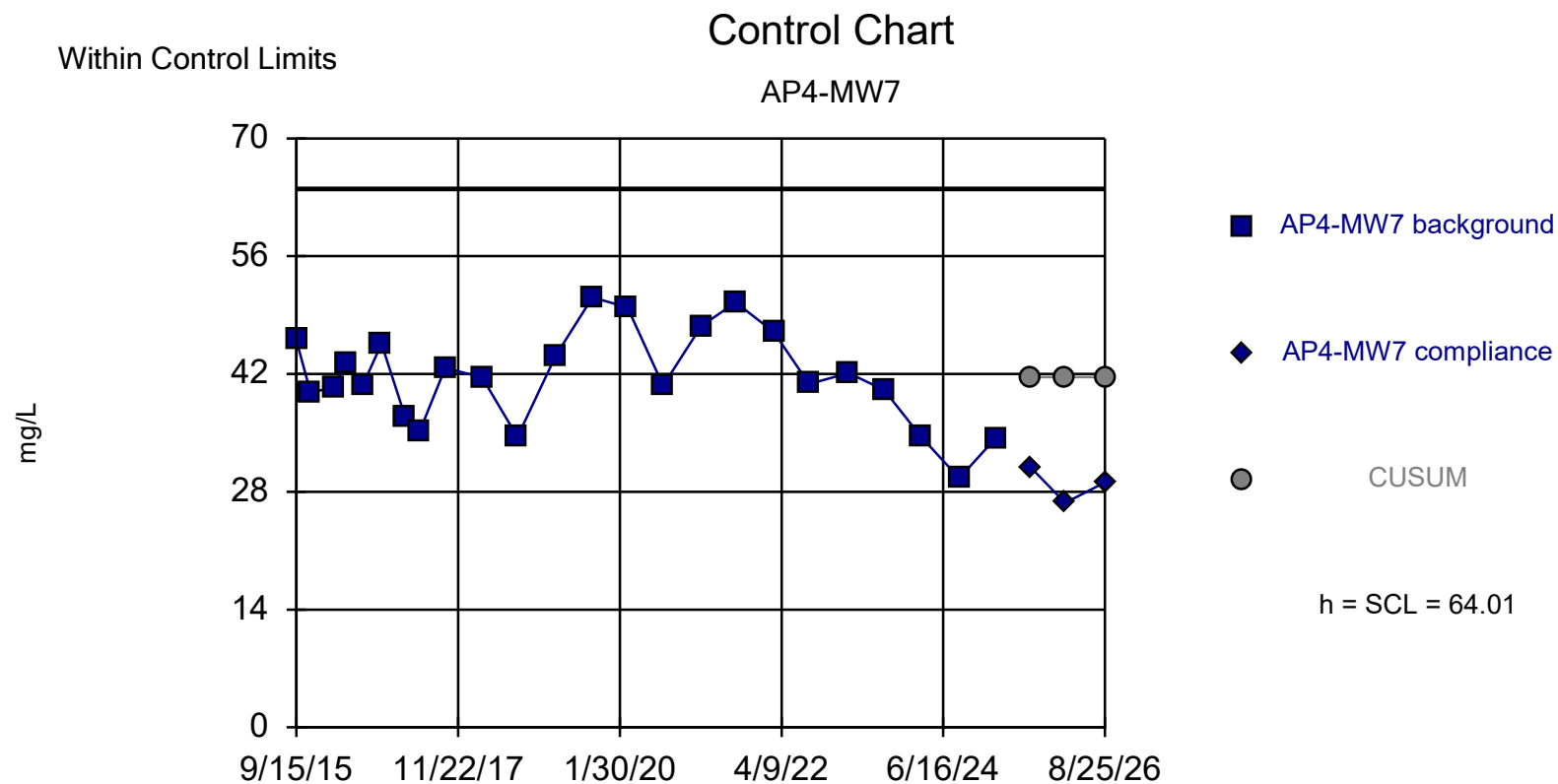
Intrawell Non-parametric

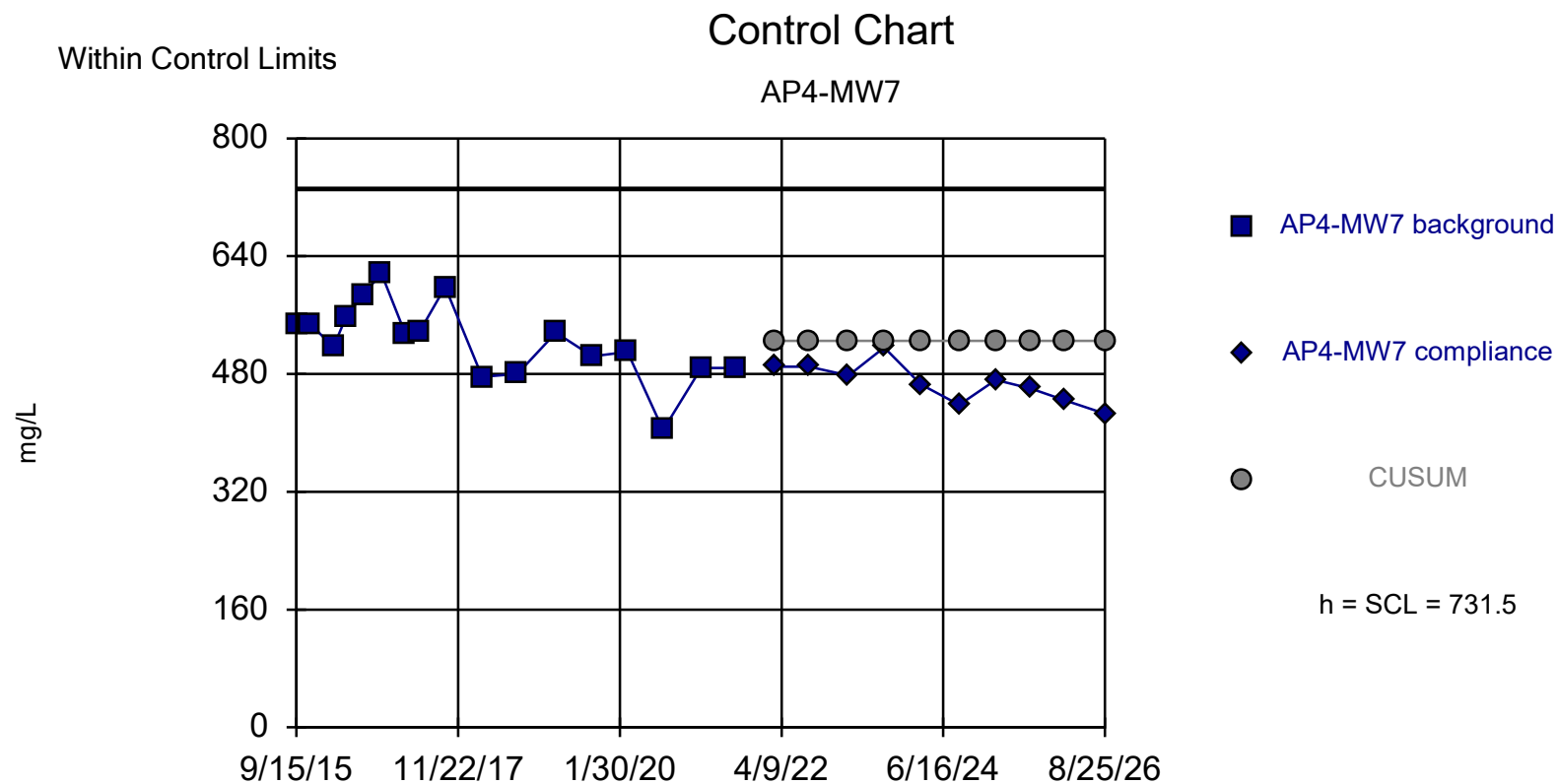




Background Data Summary: Mean=7.396, Std. Dev.=0.207, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9625, critical = 0.916. Report alpha = 0.000744. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 10/6/2026 1:58 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

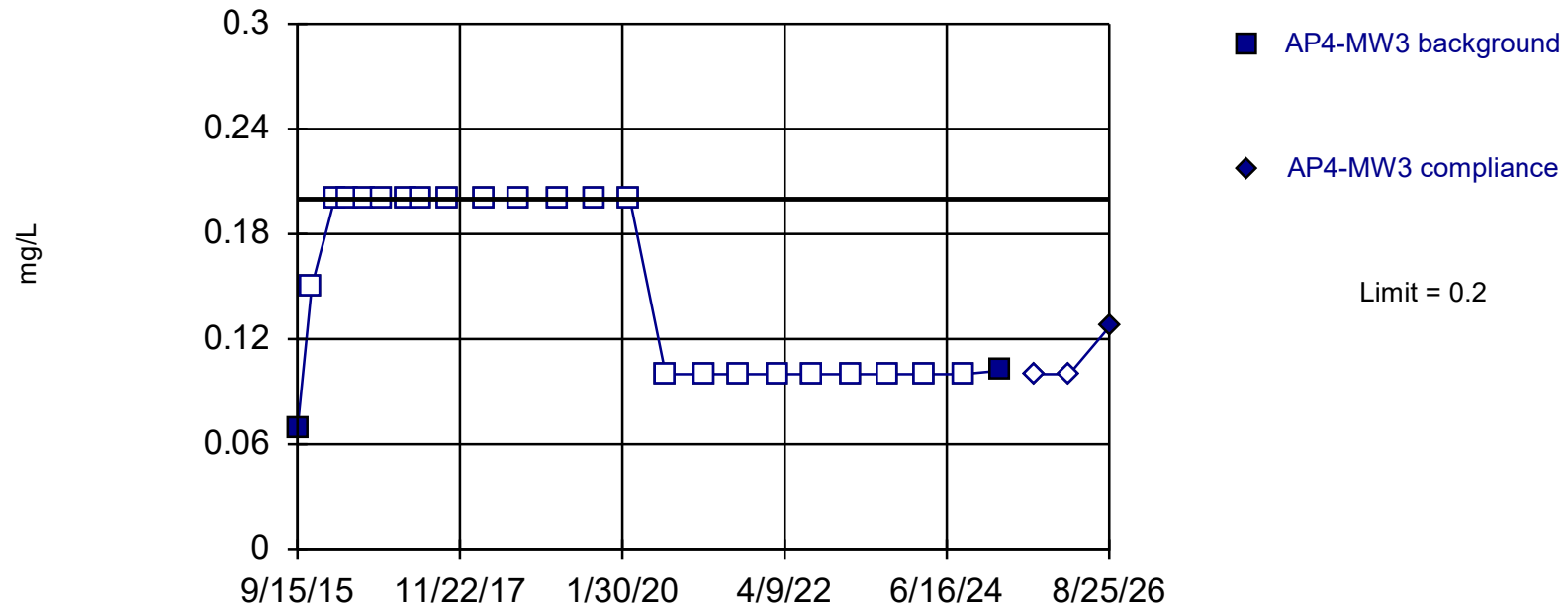




Within Limit

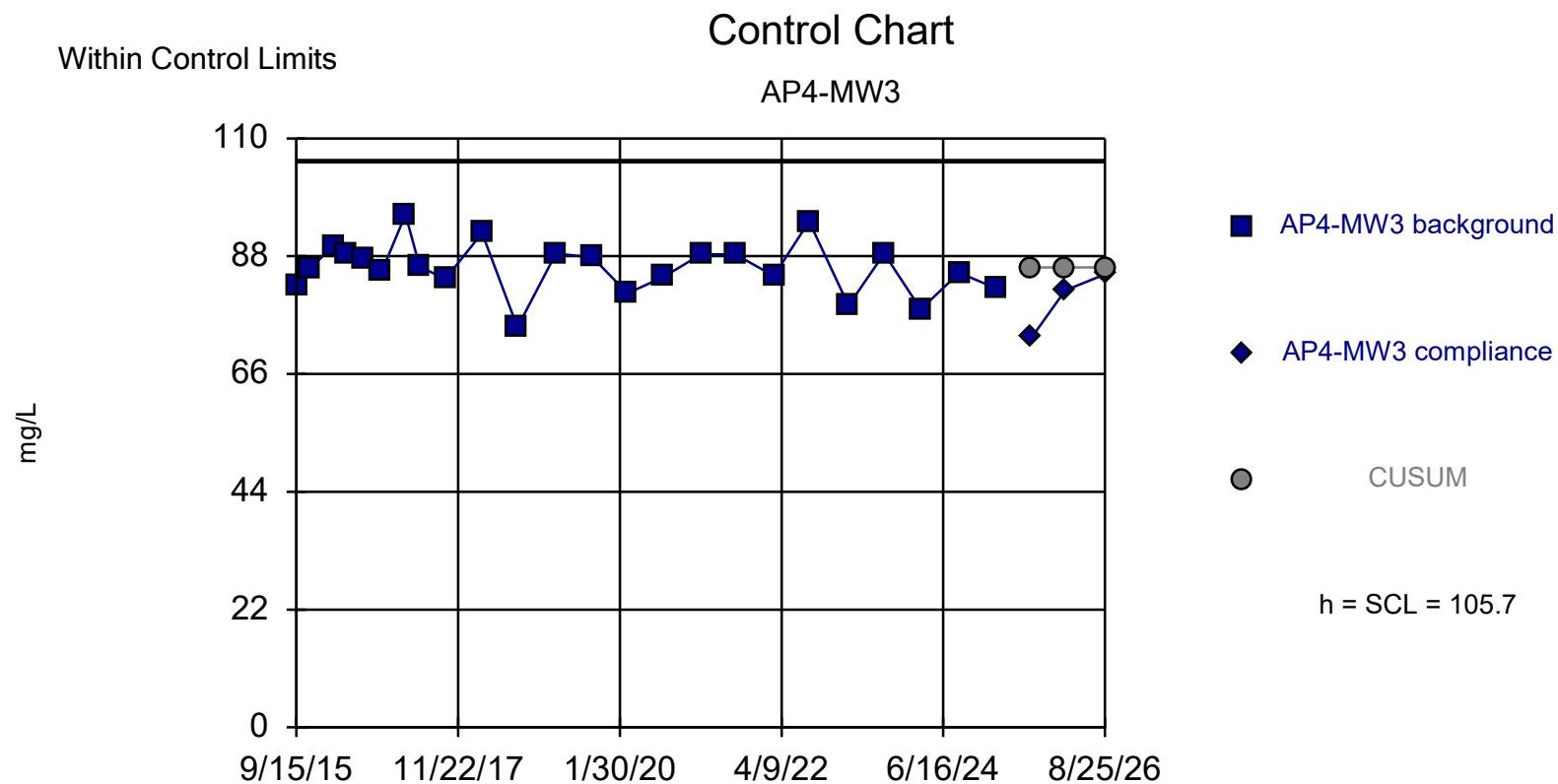
Prediction Limit

Intrawell Non-parametric

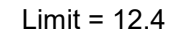


Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

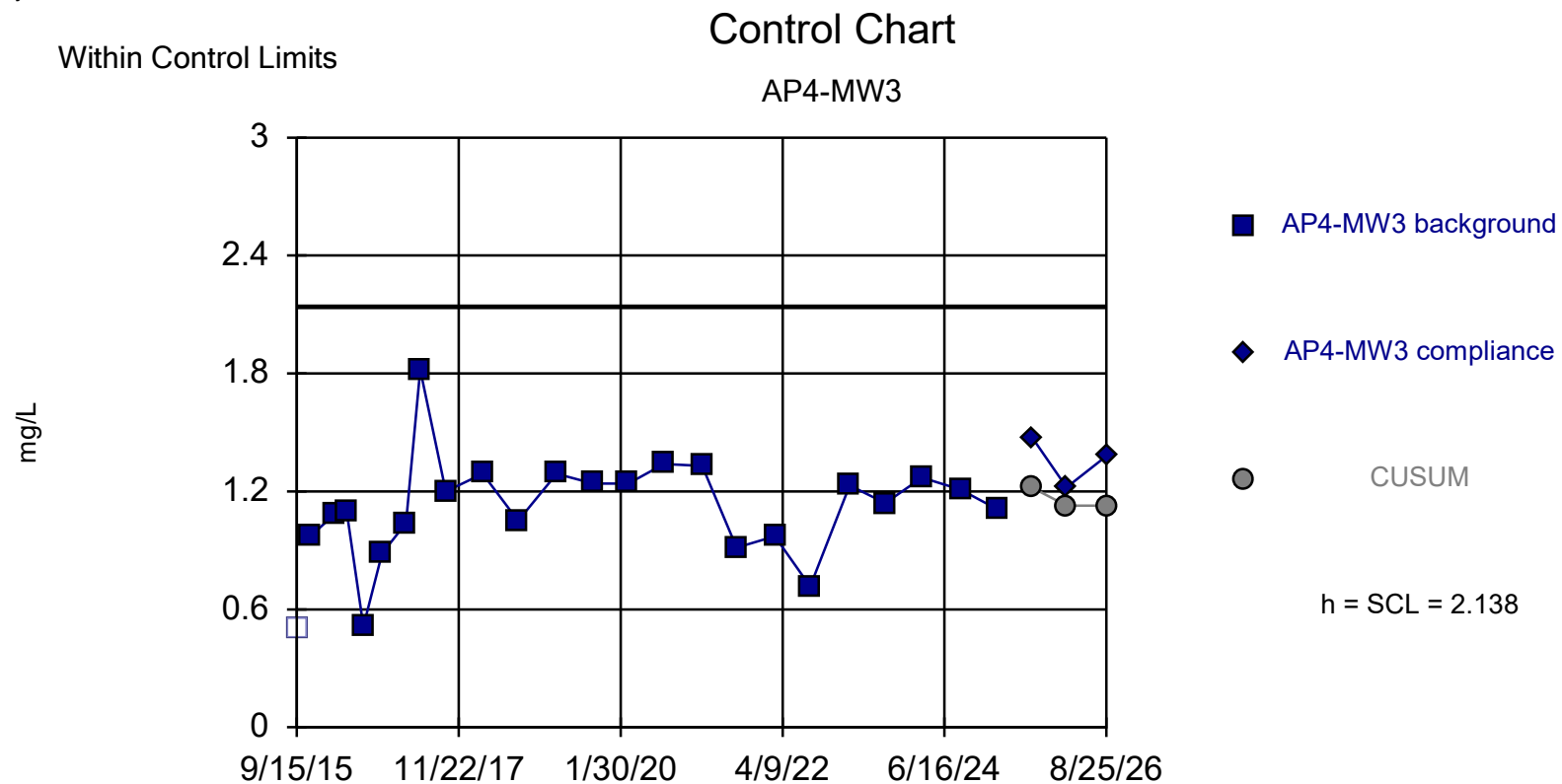
Constituent: Boron Analysis Run 10/6/2026 2:04 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

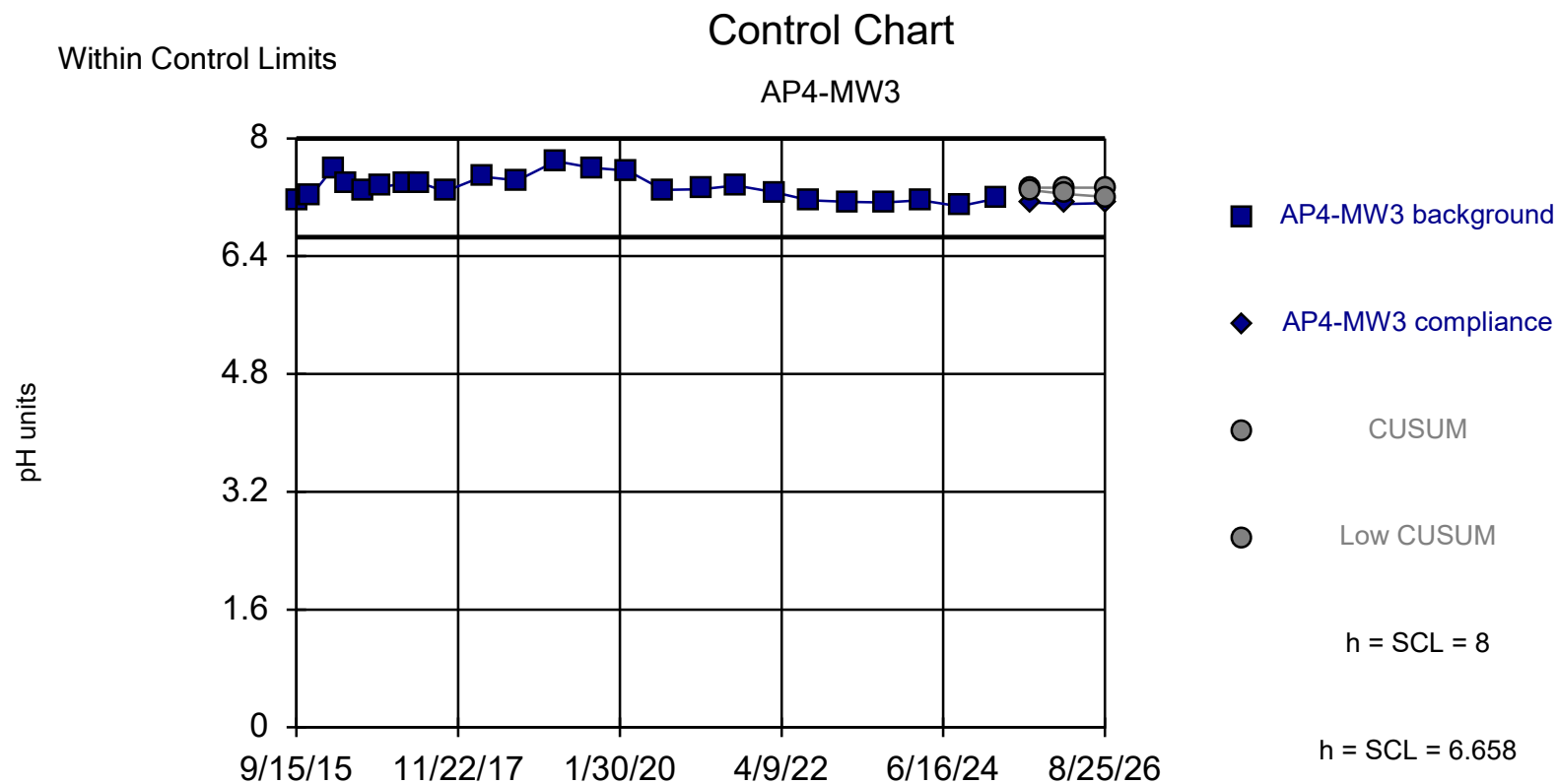


Intrawell Non-parametric



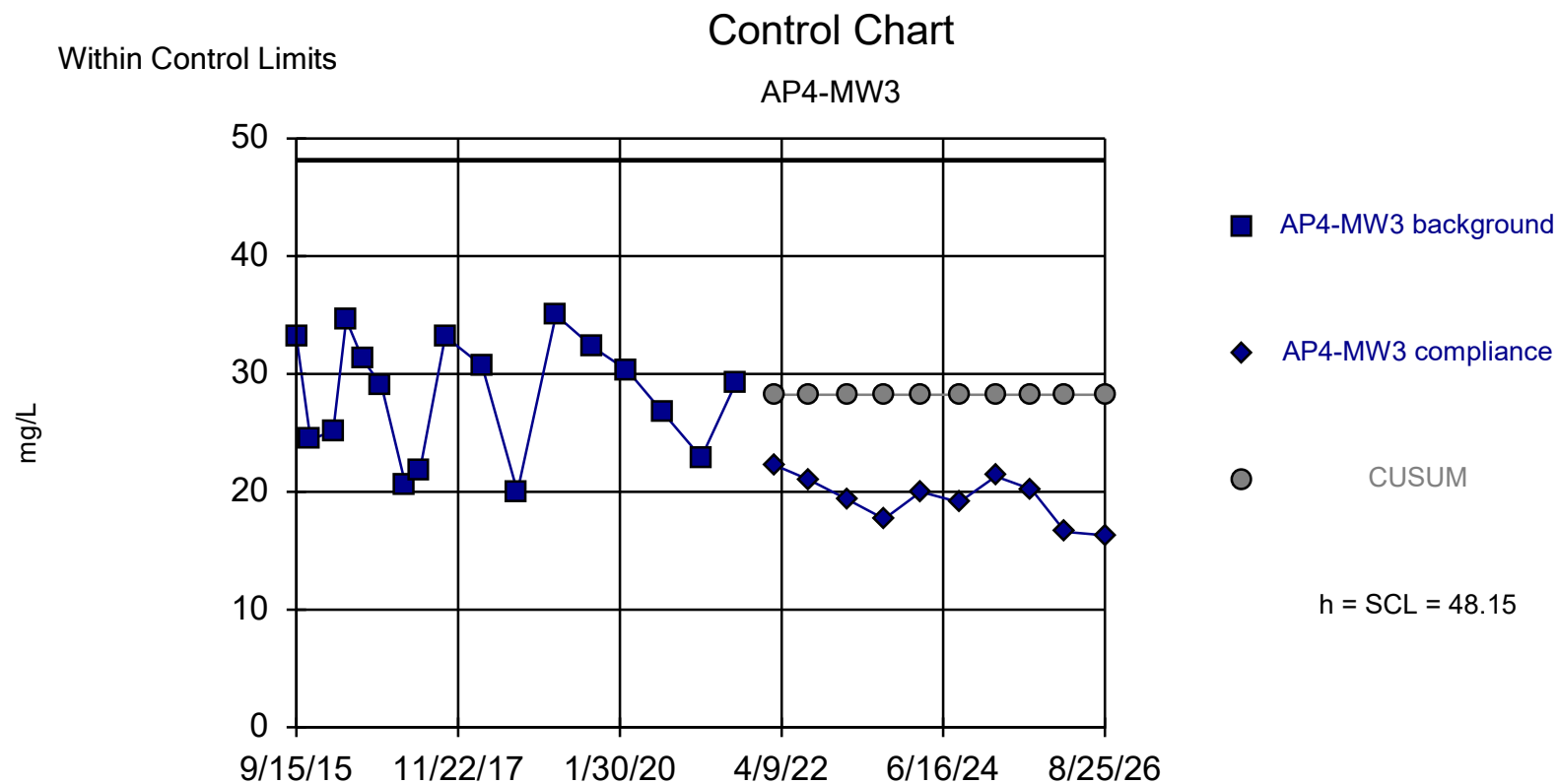
Constituent: Chloride Analysis Run 10/6/2026 2:06 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026





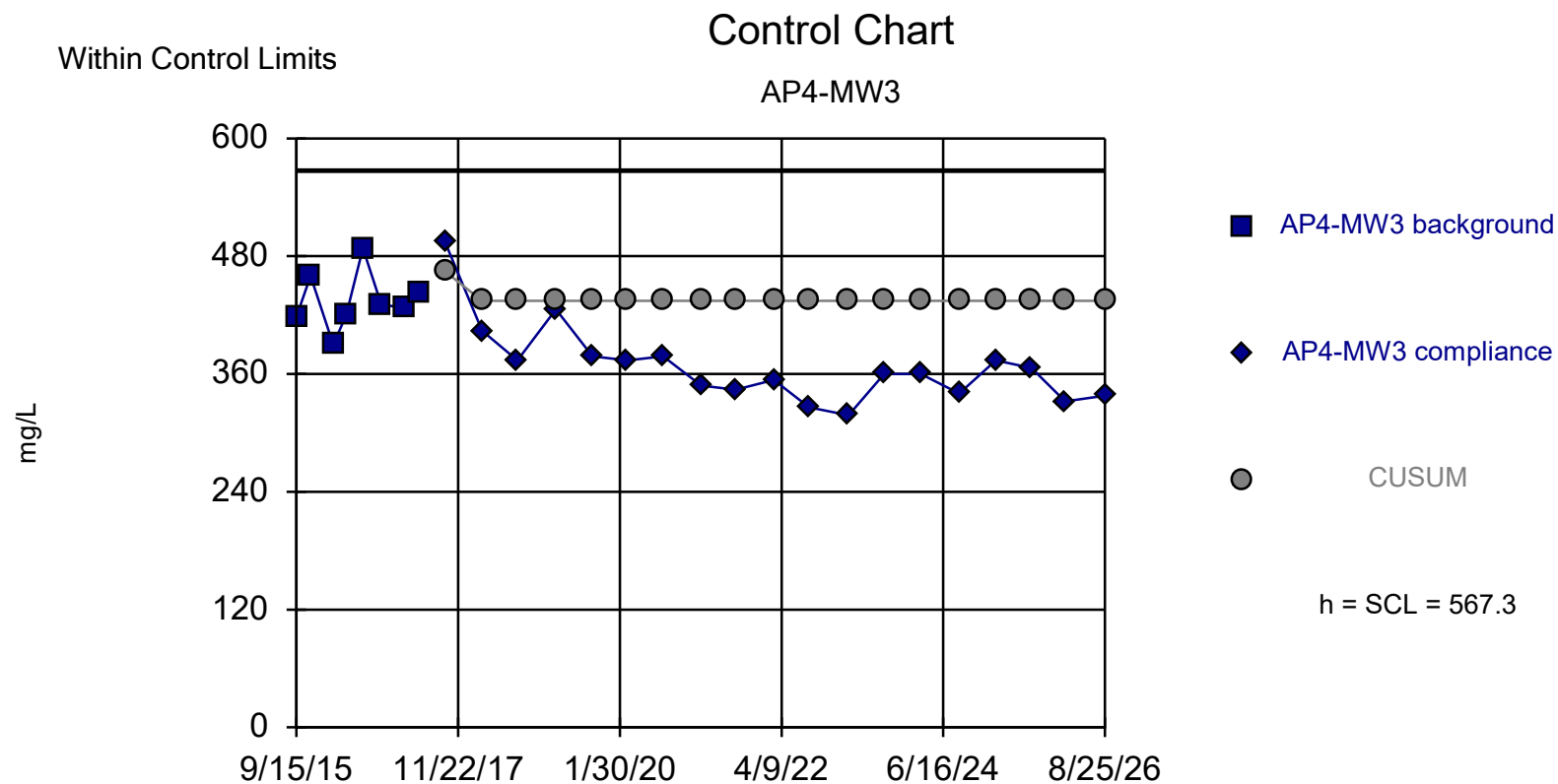
Background Data Summary: Mean=7.329, Std. Dev.=0.1677, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9484, critical = 0.916. Report alpha = 0.000806. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 10/6/2026 2:07 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026



Background Data Summary: Mean=28.25, Std. Dev.=4.977, n=17. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9311, critical = 0.892. Report alpha = 0.003366. Dates ending 8/25/2021 used for control stats. Standardized h=4, SCL=4.

Constituent: Sulfate Analysis Run 10/6/2026 2:08 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026



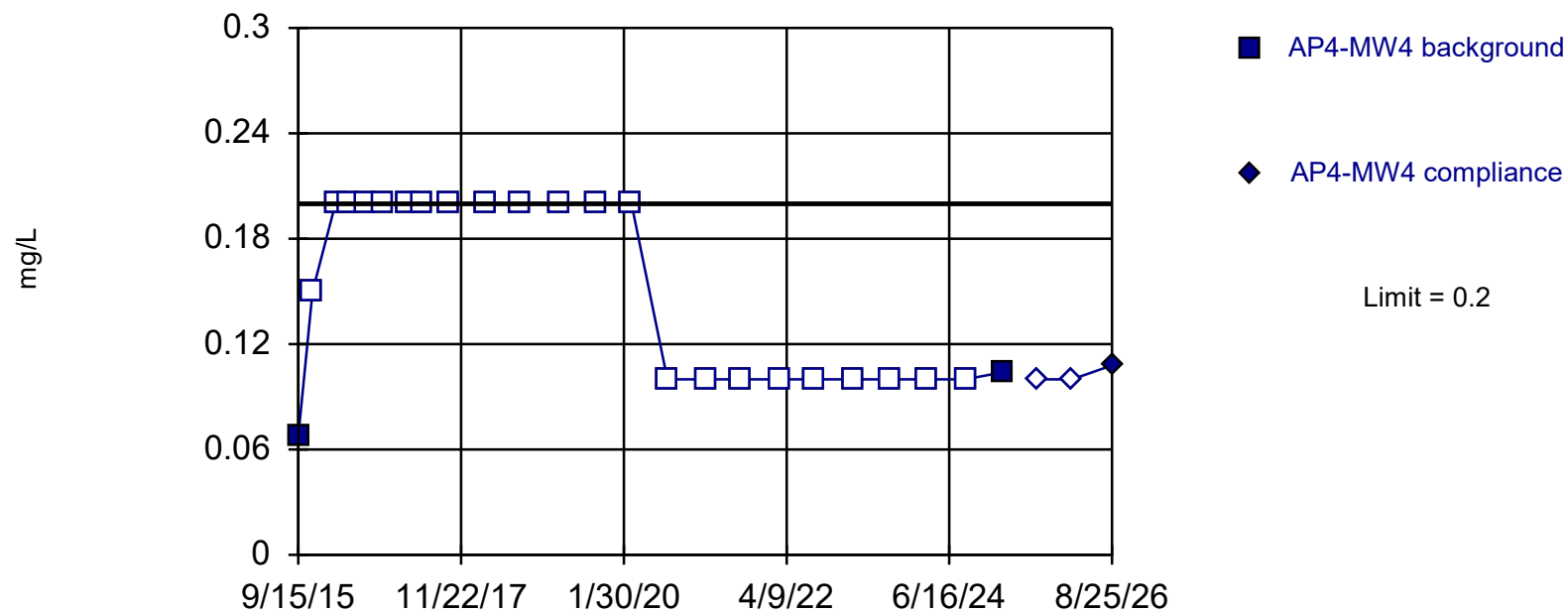
Background Data Summary: Mean=434.5, Std. Dev.=29.51, n=8. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9615, critical = 0.818. Report alpha = 0.01903. Dates ending 5/16/2017 used for control stats. Standardized h=4.5, SCL=4.5.

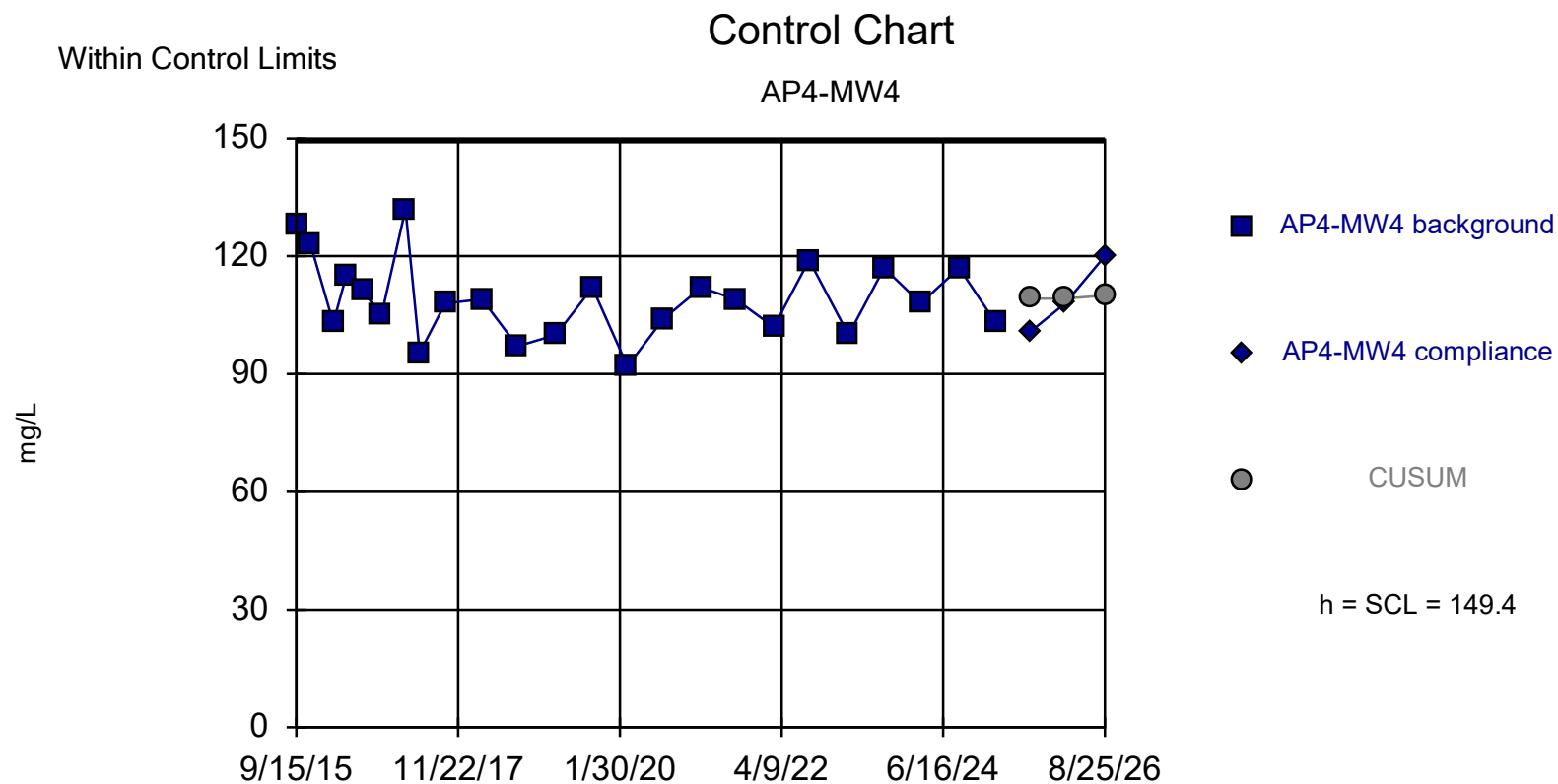
Constituent: Total Dissolved Solids Analysis Run 10/6/2026 2:10 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

Within Limit

Prediction Limit

Intrawell Non-parametric

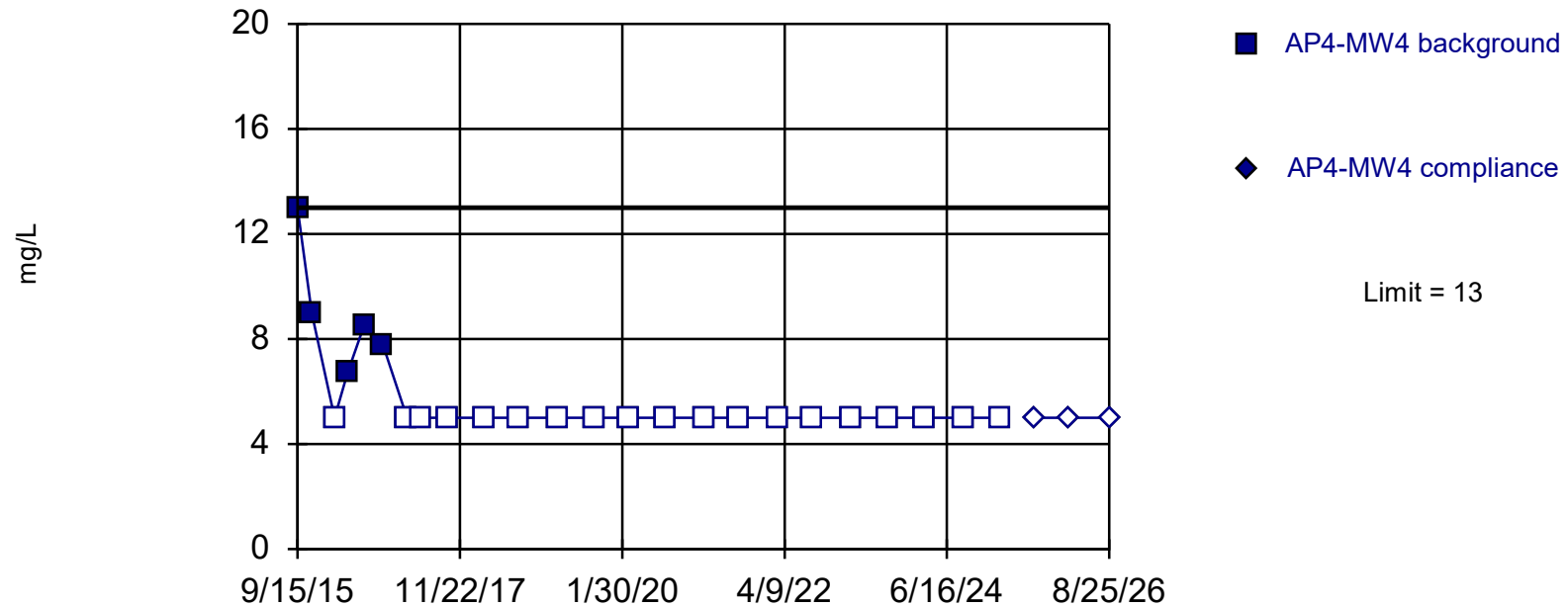


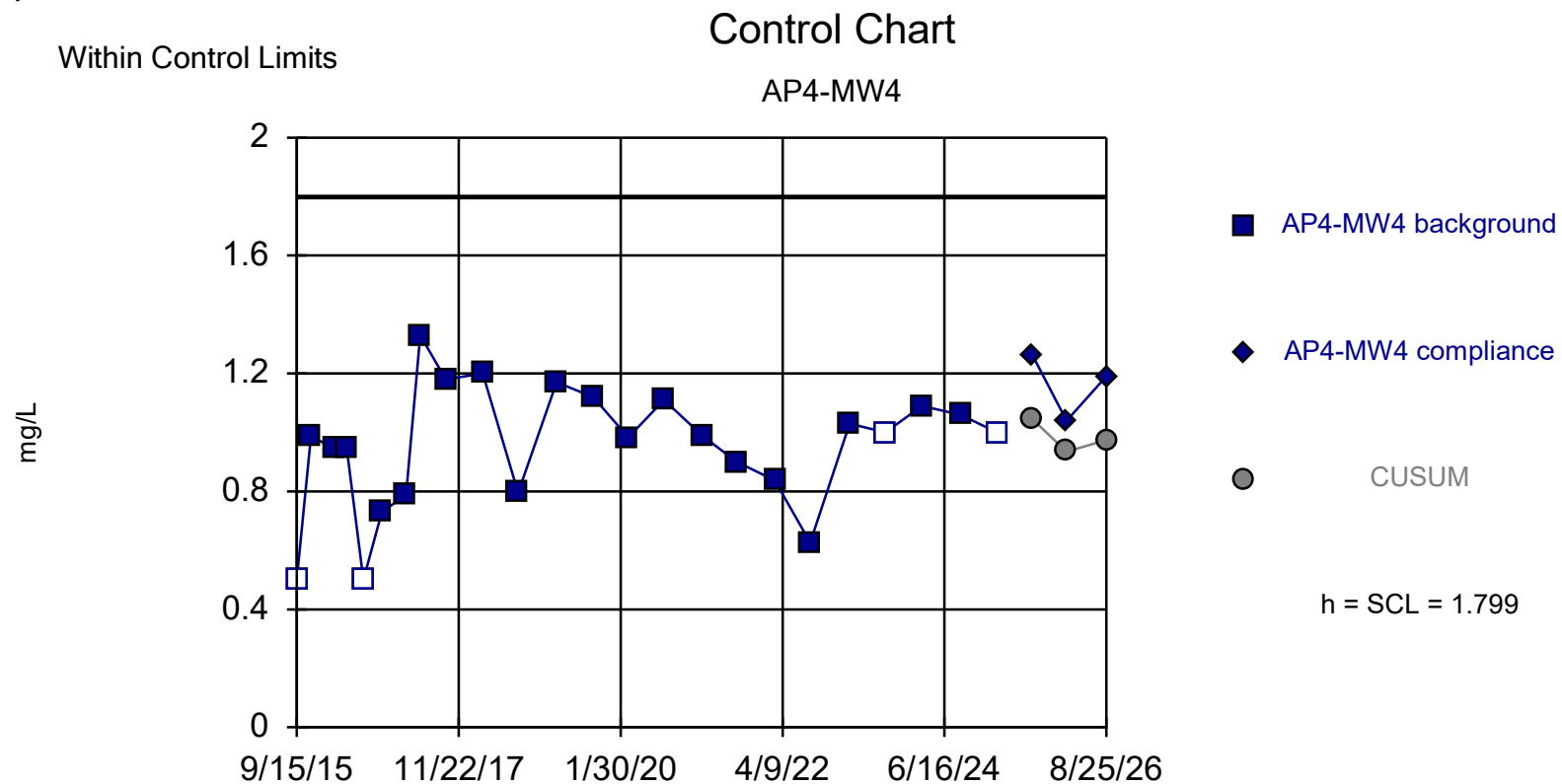


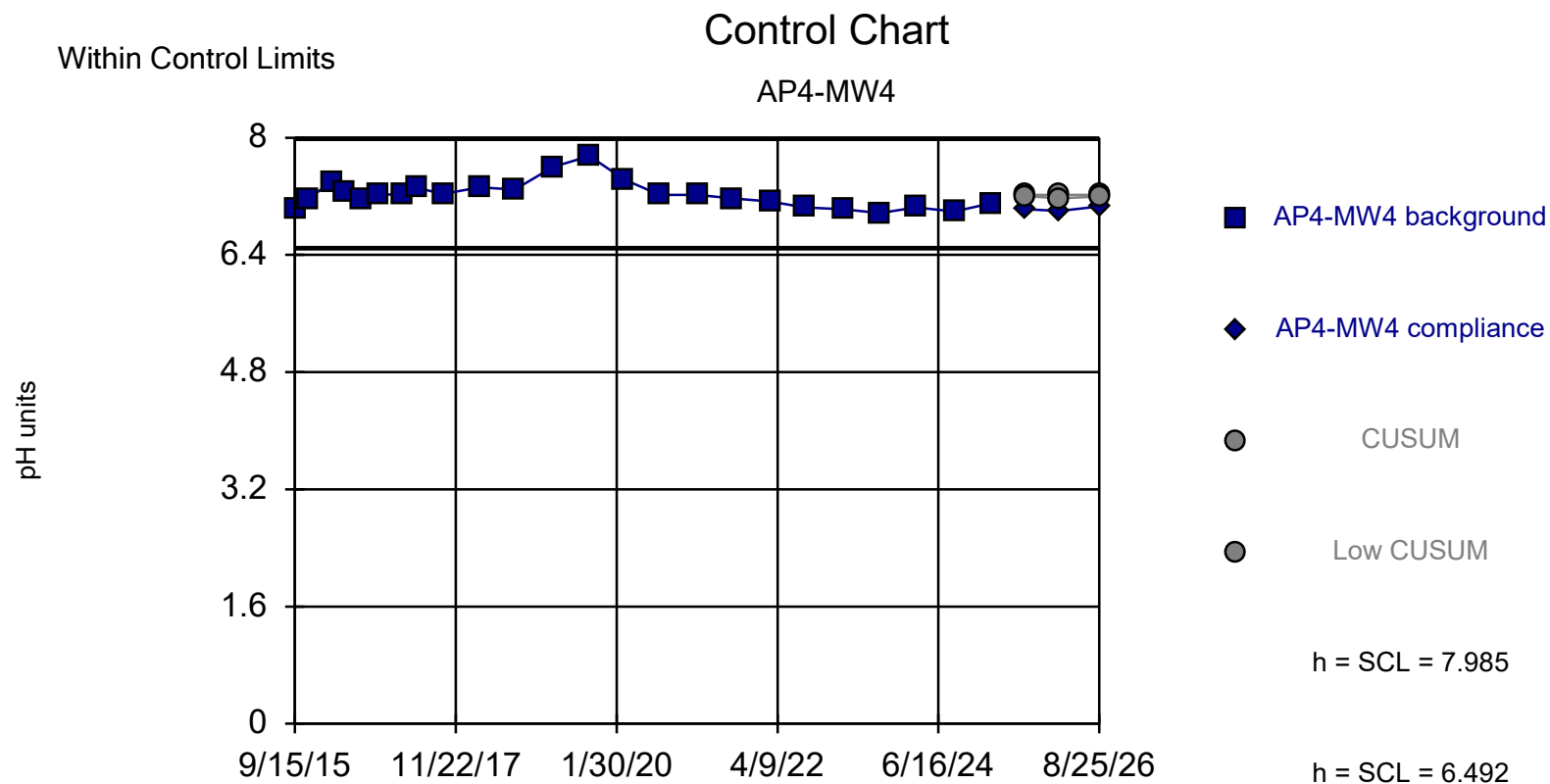
Within Limit

Prediction Limit

Intrawell Non-parametric

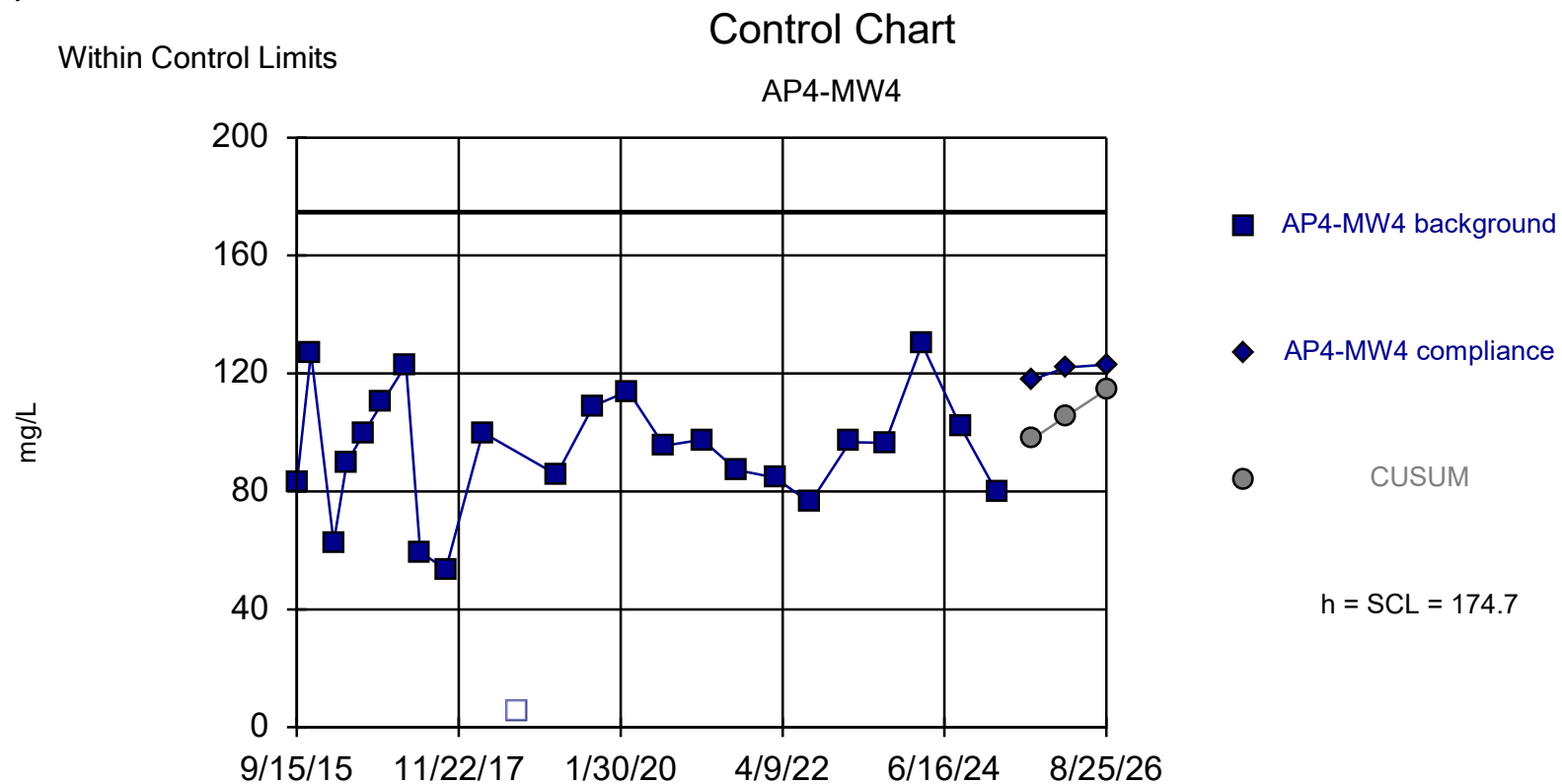


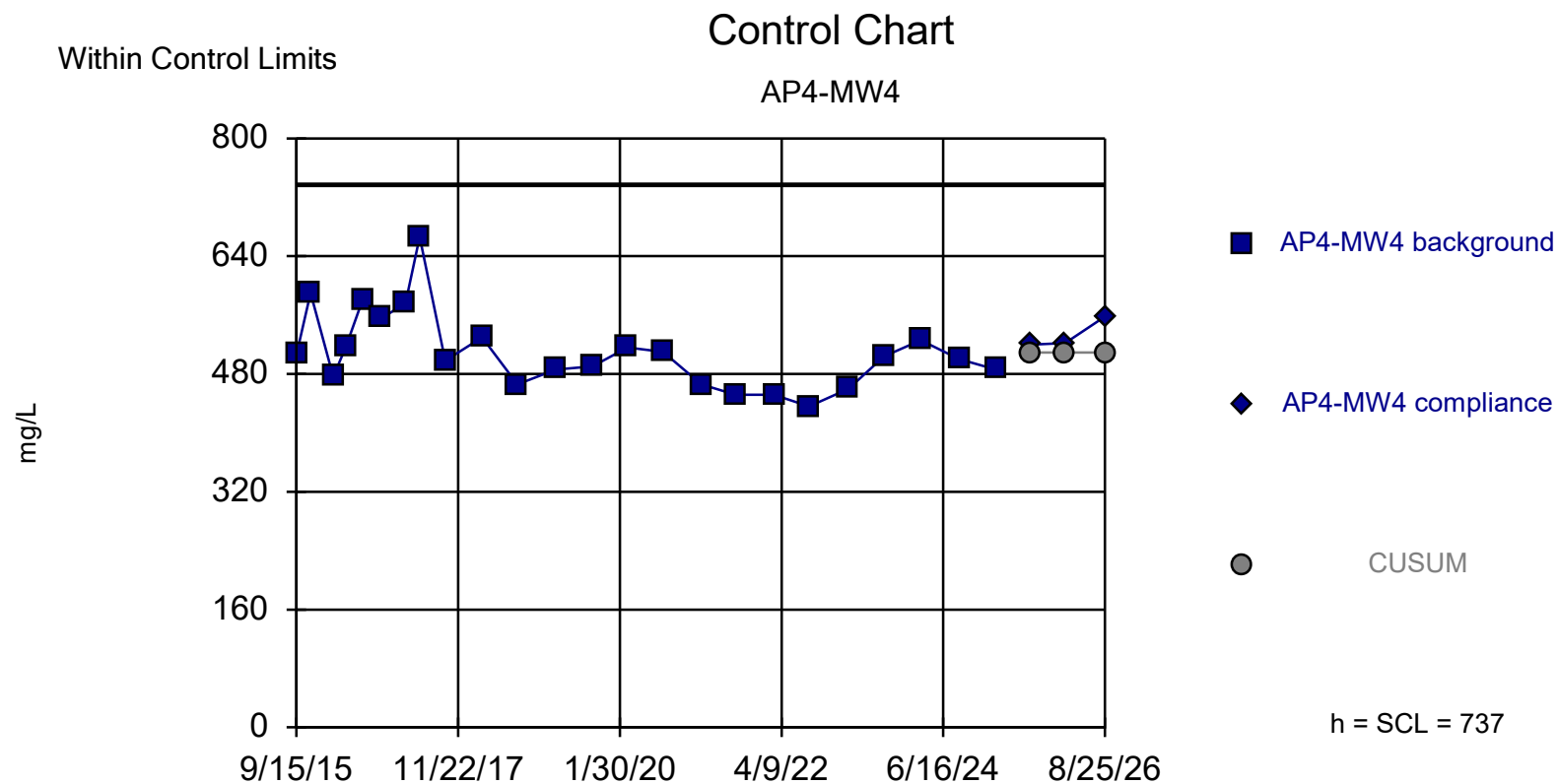




Background Data Summary (based on square root transformation): Mean=2.687, Std. Dev.=0.03472, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9162, critical = 0.916. Report alpha = 0.00068. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 10/6/2026 2:36 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

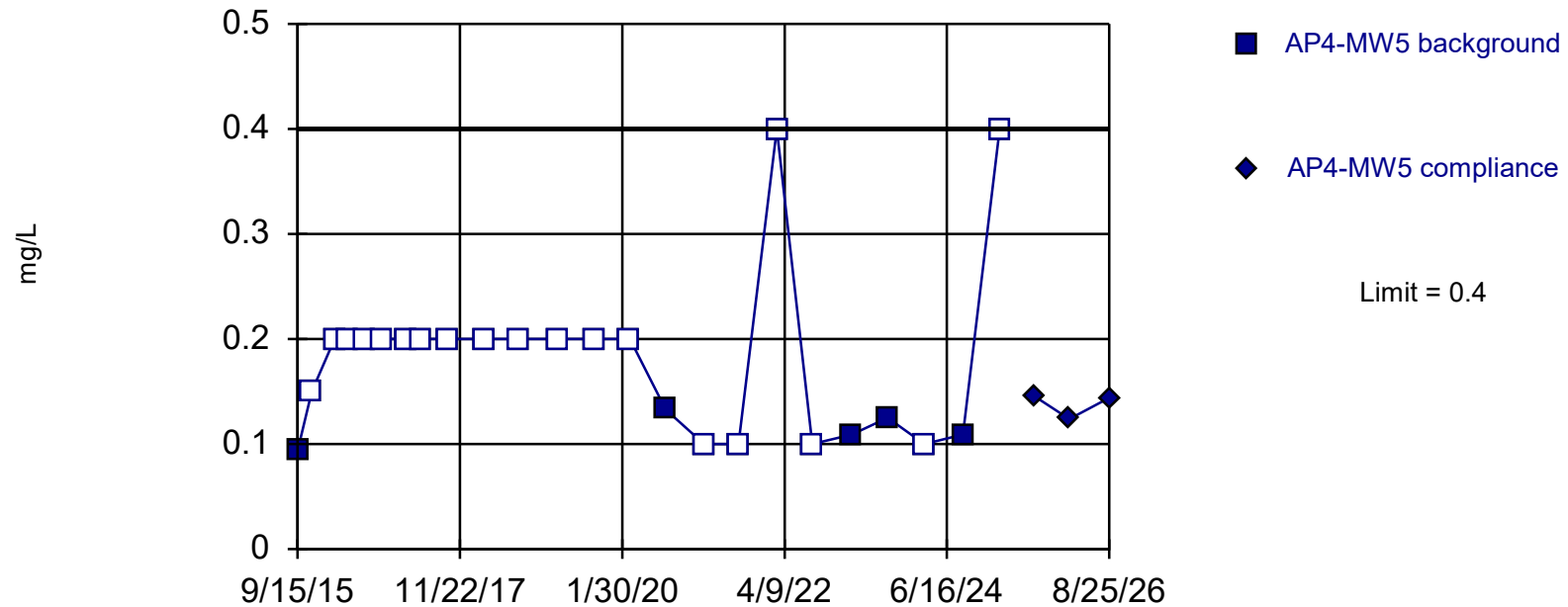


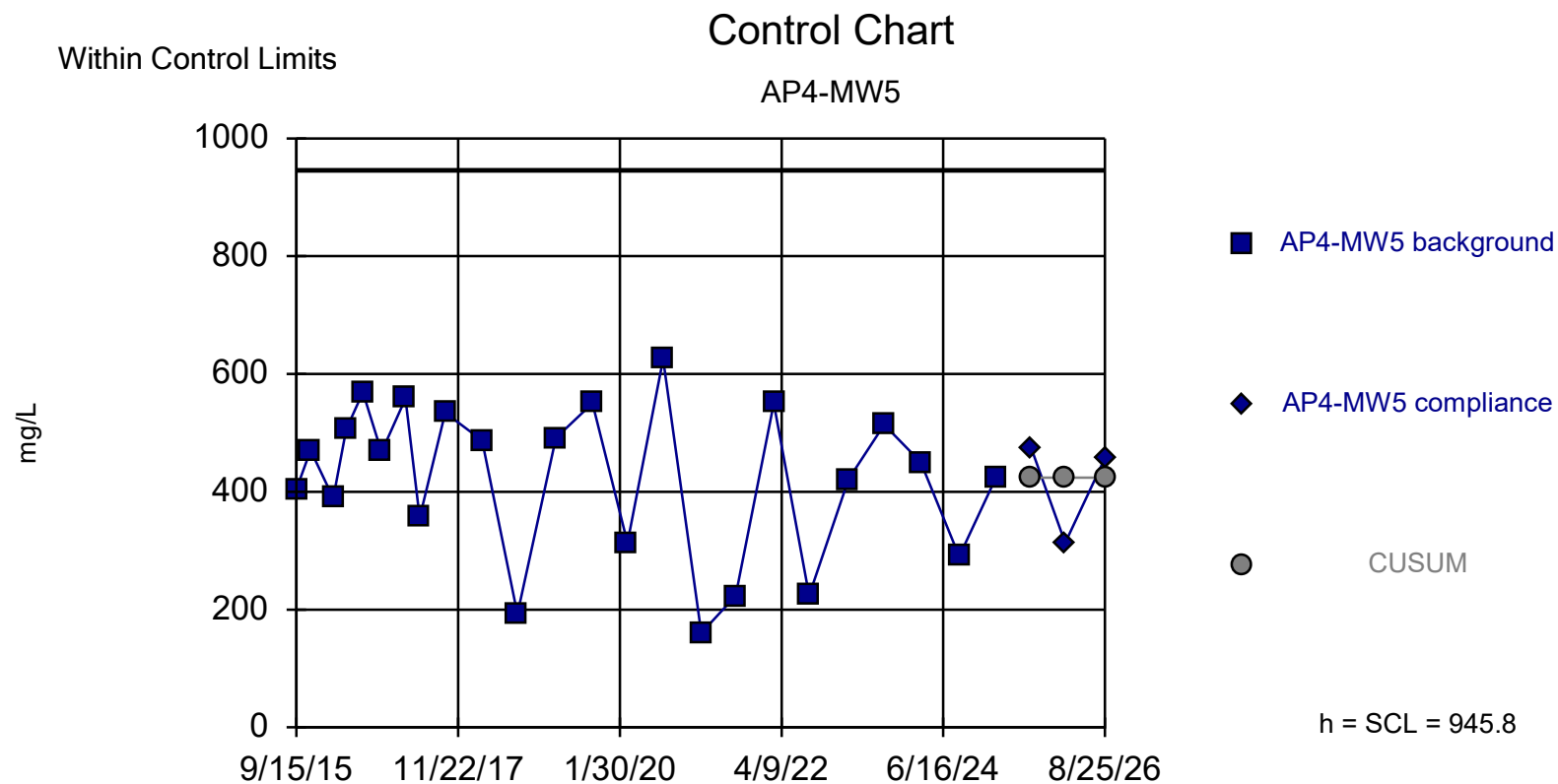


Within Limit

Prediction Limit

Intrawell Non-parametric

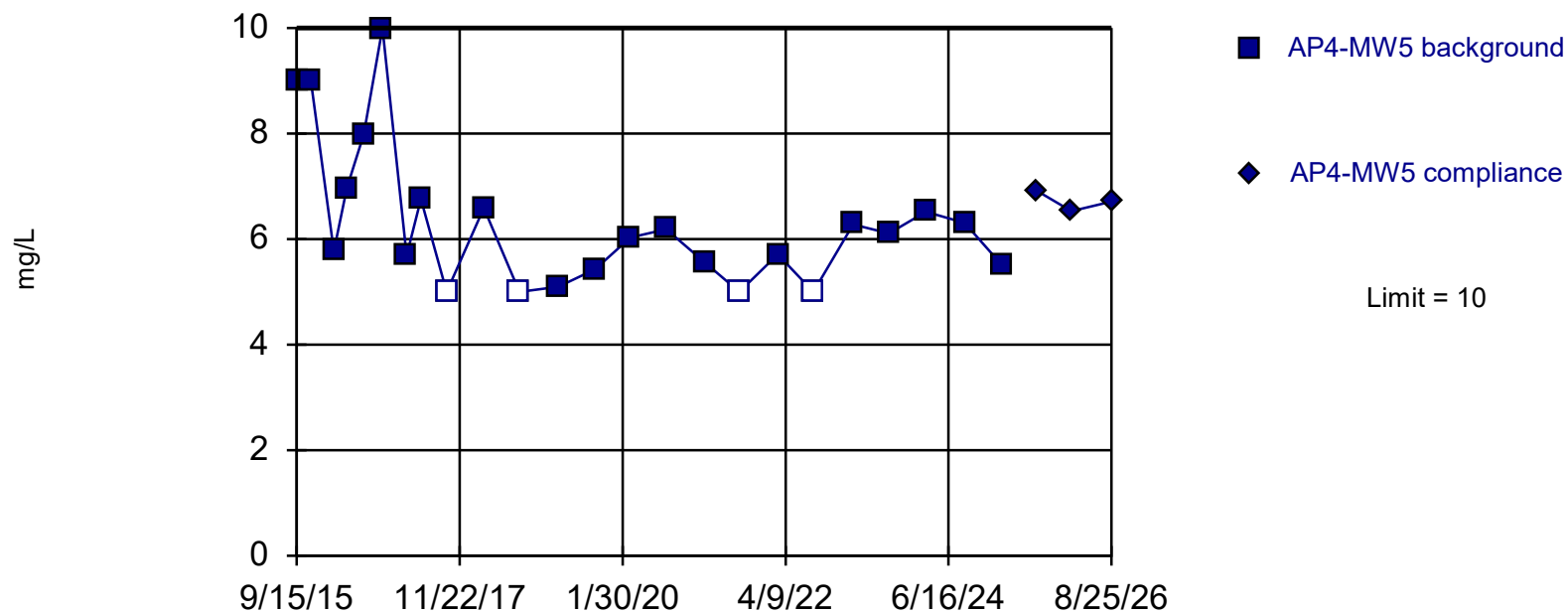




Within Limit

Prediction Limit

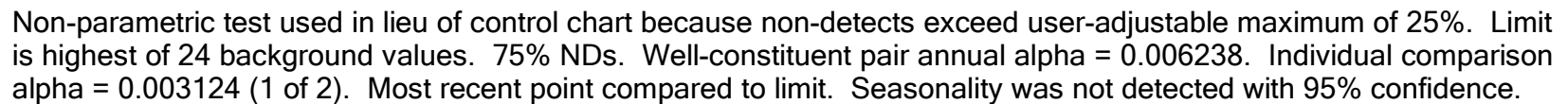
Intrawell Non-parametric



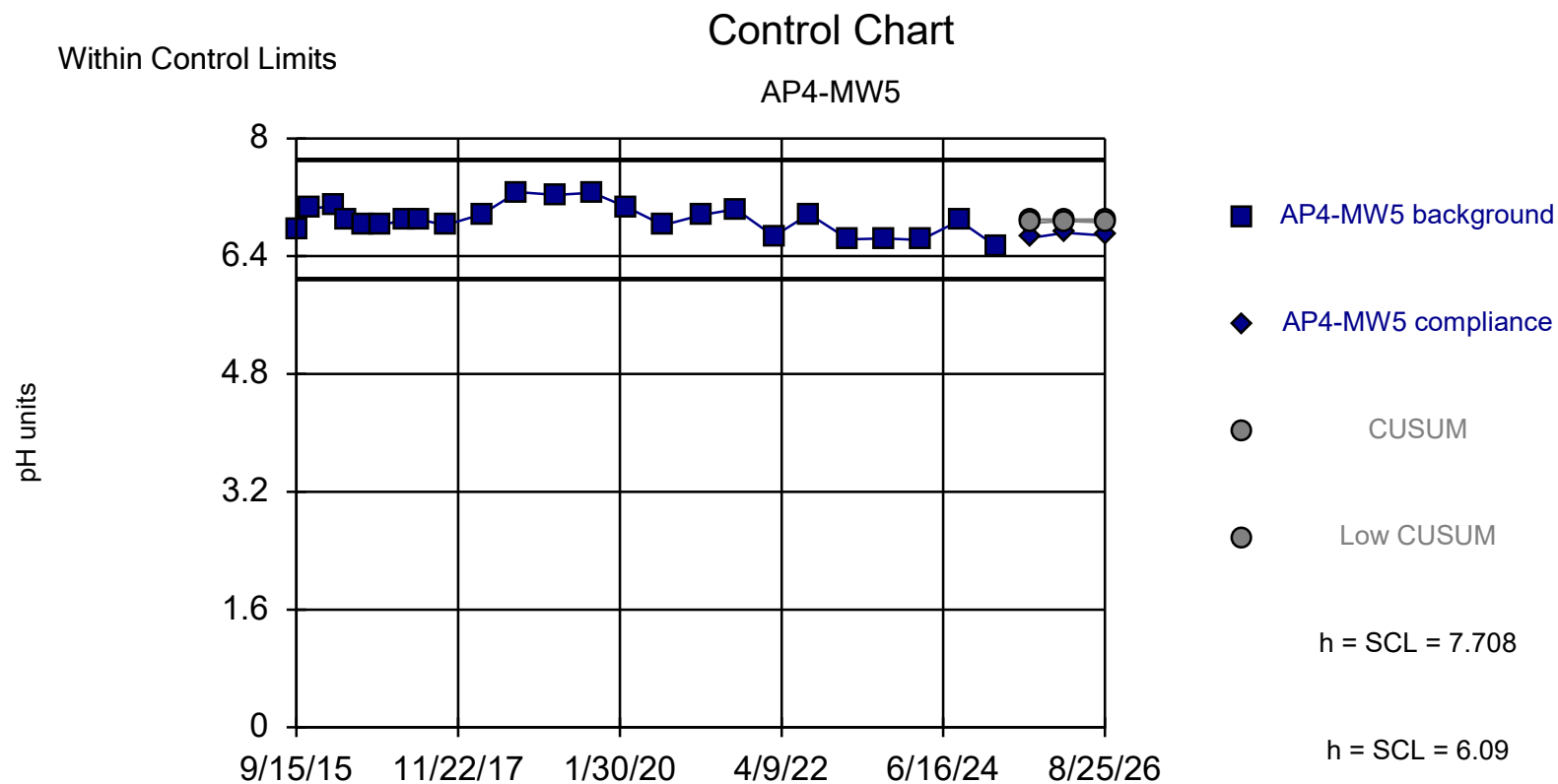
Non-parametric test used in lieu of control chart because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 24 background values. 16.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 10/6/2026 2:51 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

Intrawell Non-parametric

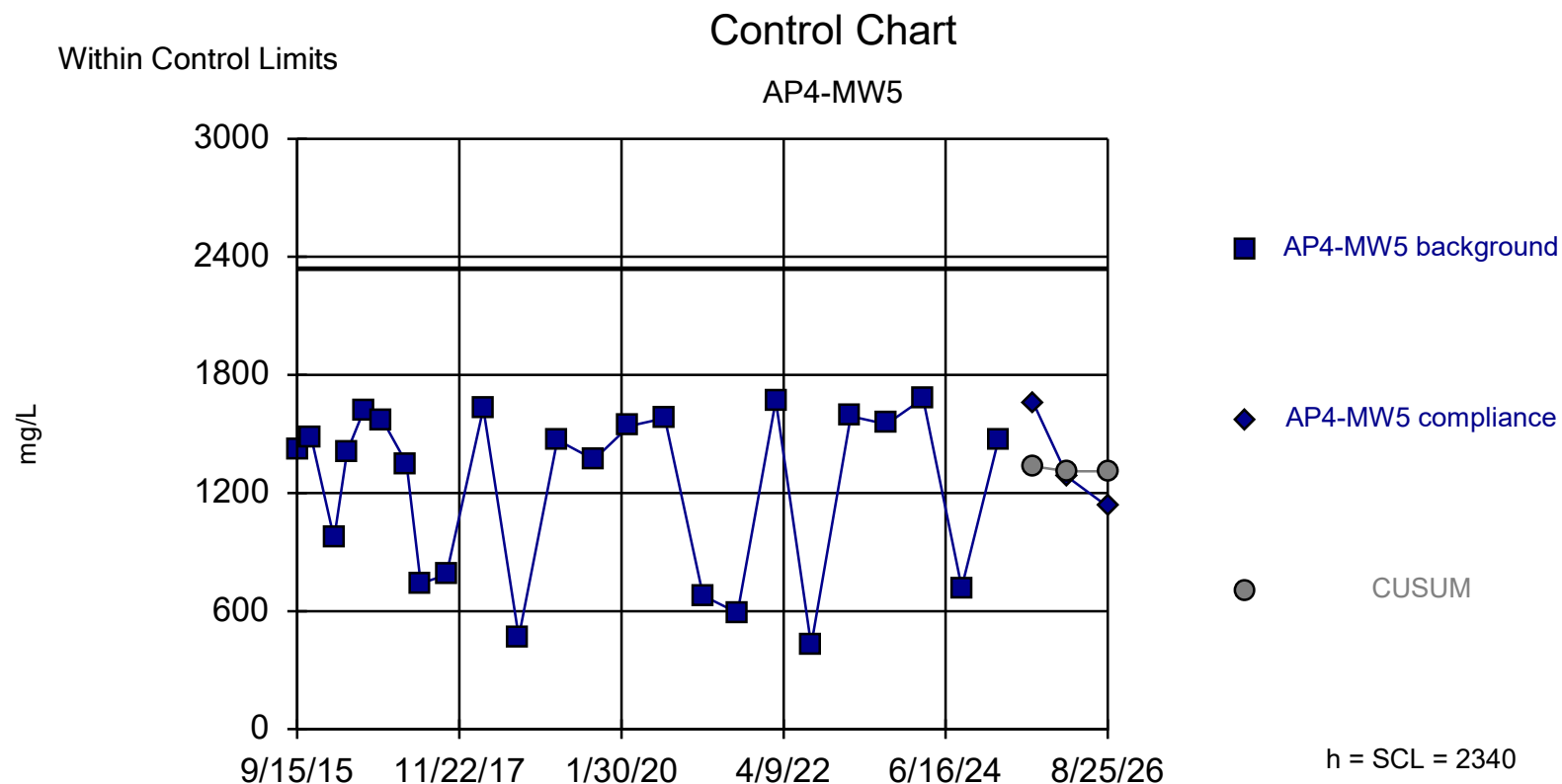


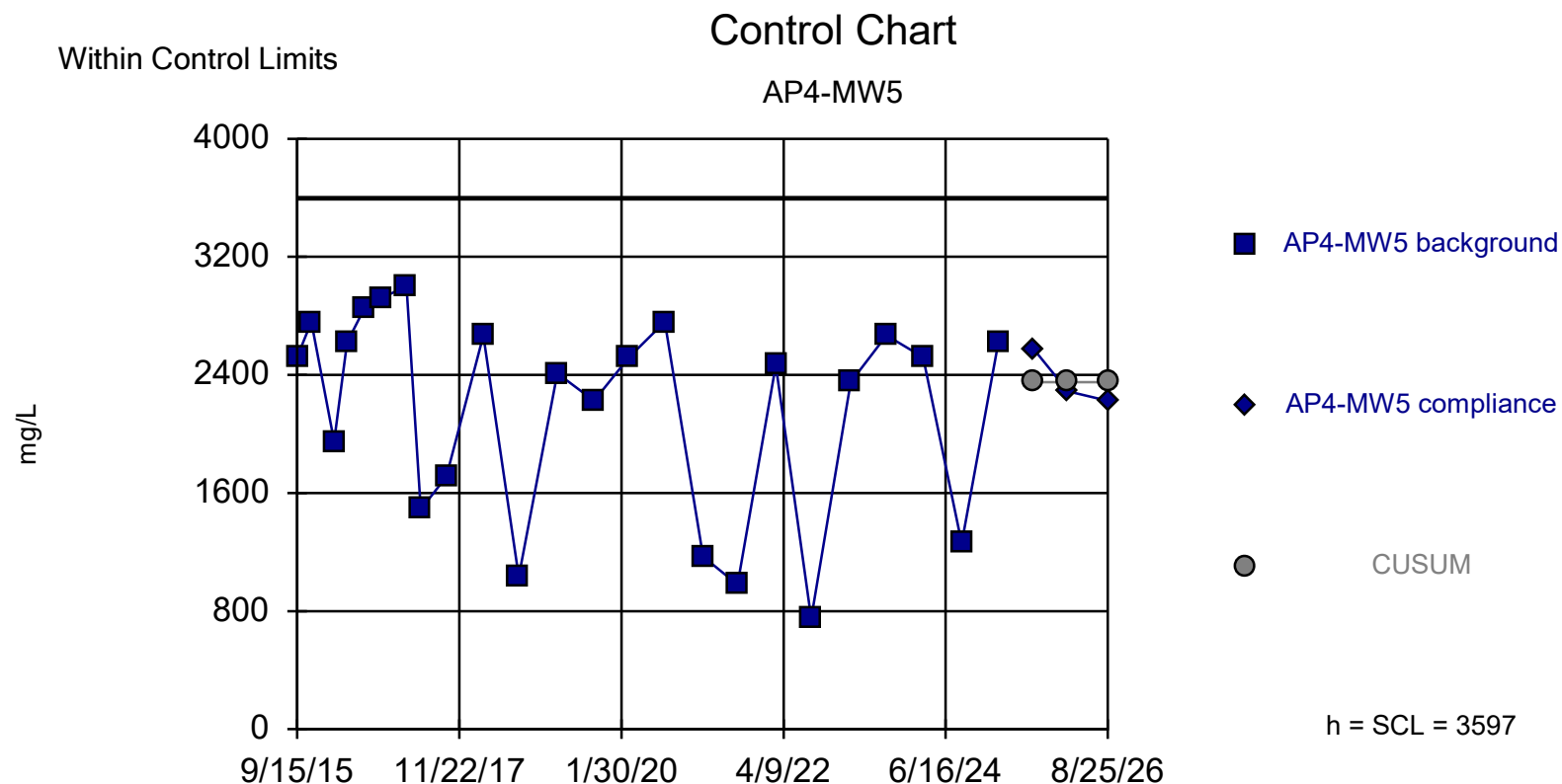
Constituent: Fluoride Analysis Run 10/6/2026 2:51 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026



Background Data Summary: Mean=6.899, Std. Dev.=0.2022, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9657, critical = 0.916. Report alpha = 0.000768. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 10/6/2026 2:52 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026





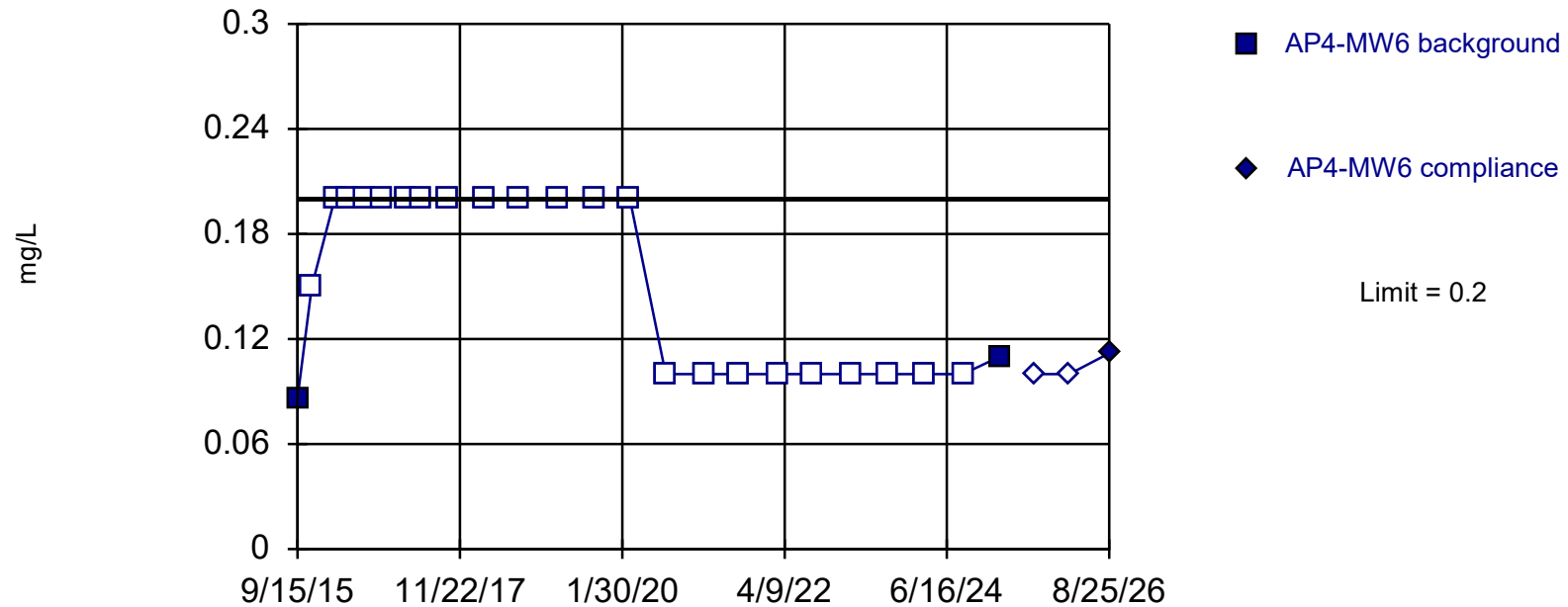
Background Data Summary (based on cube transformation): Mean=1.3e10, Std. Dev.=8.4e9, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9254, critical = 0.916. Report alpha = 0.000768. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Total Dissolved Solids Analysis Run 10/6/2026 2:54 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

Within Limit

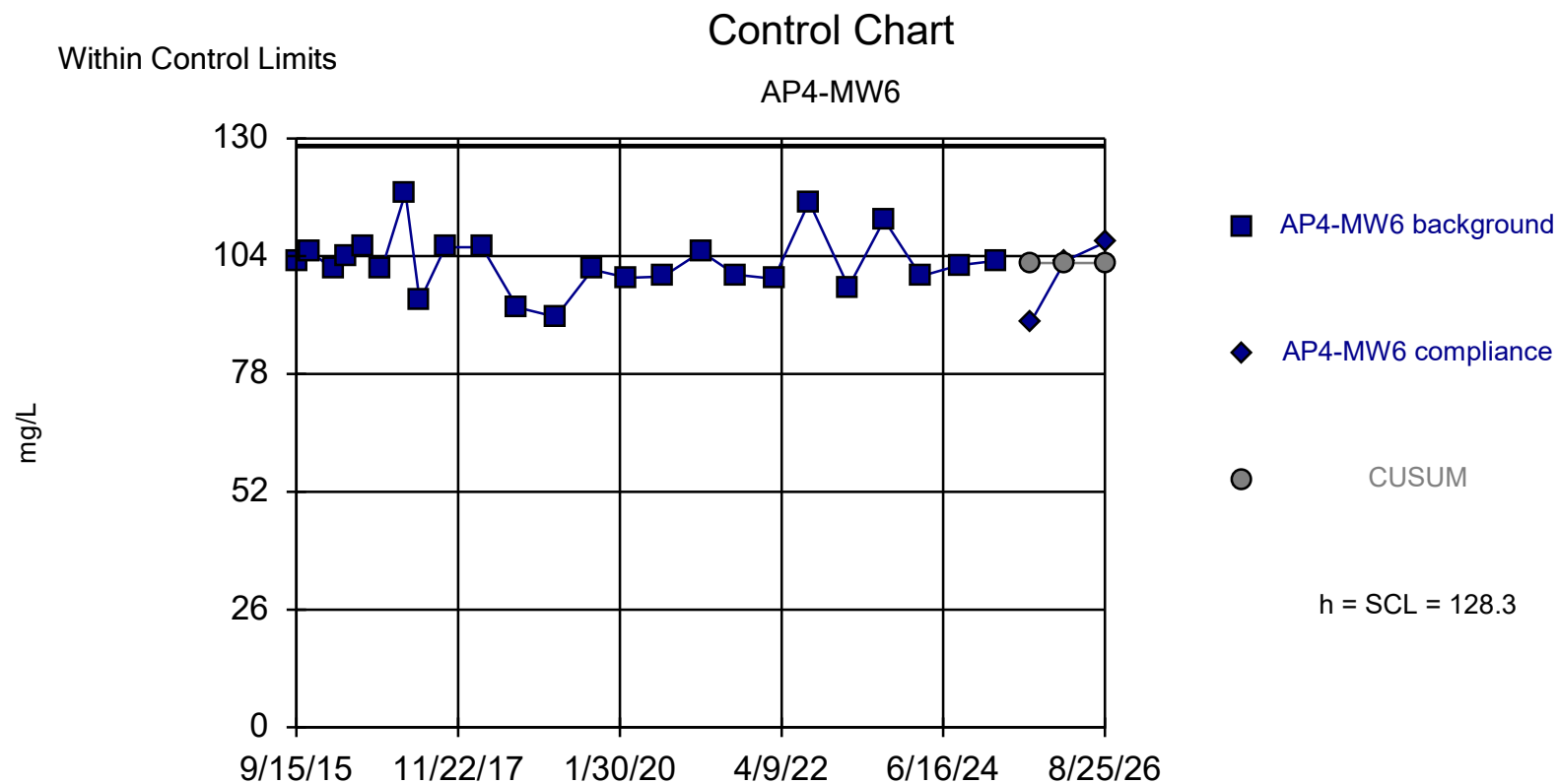
Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 10/6/2026 3:04 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026



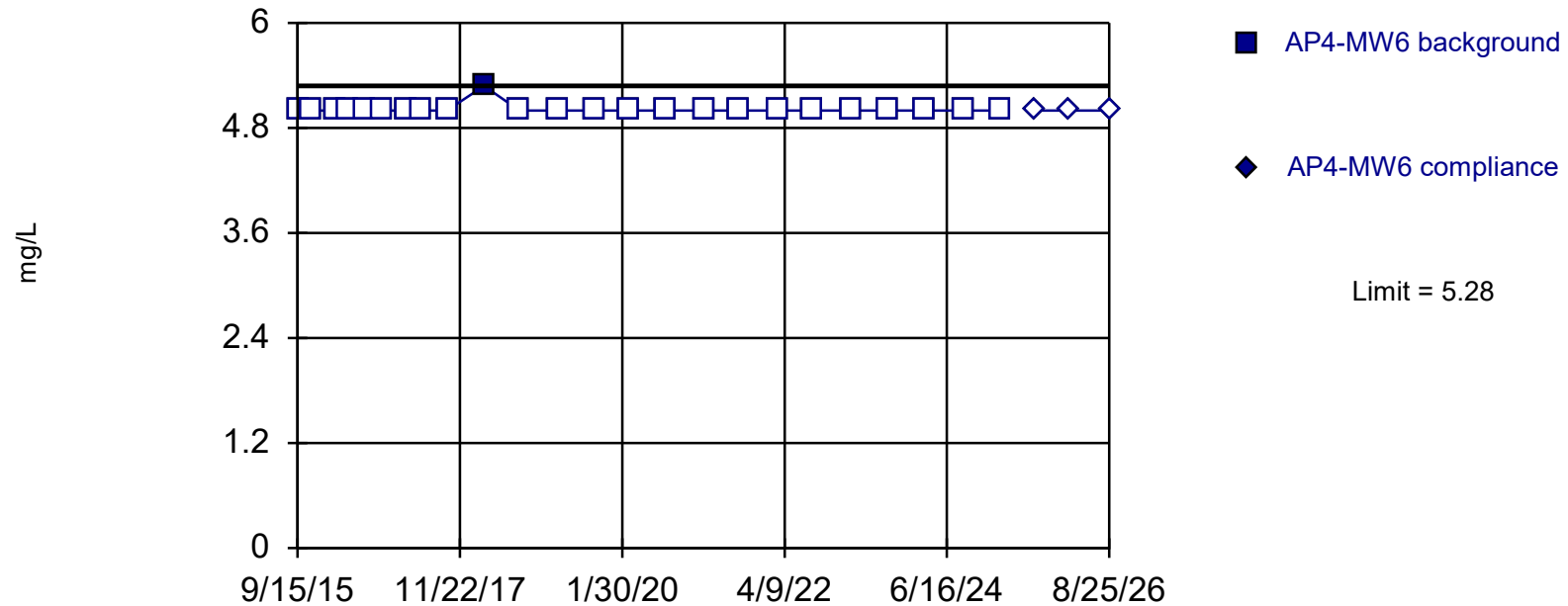
Background Data Summary: Mean=102.5, Std. Dev.=6.445, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9421, critical = 0.916. Report alpha = 0.000768. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: Calcium Analysis Run 10/6/2026 3:05 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

Within Limit

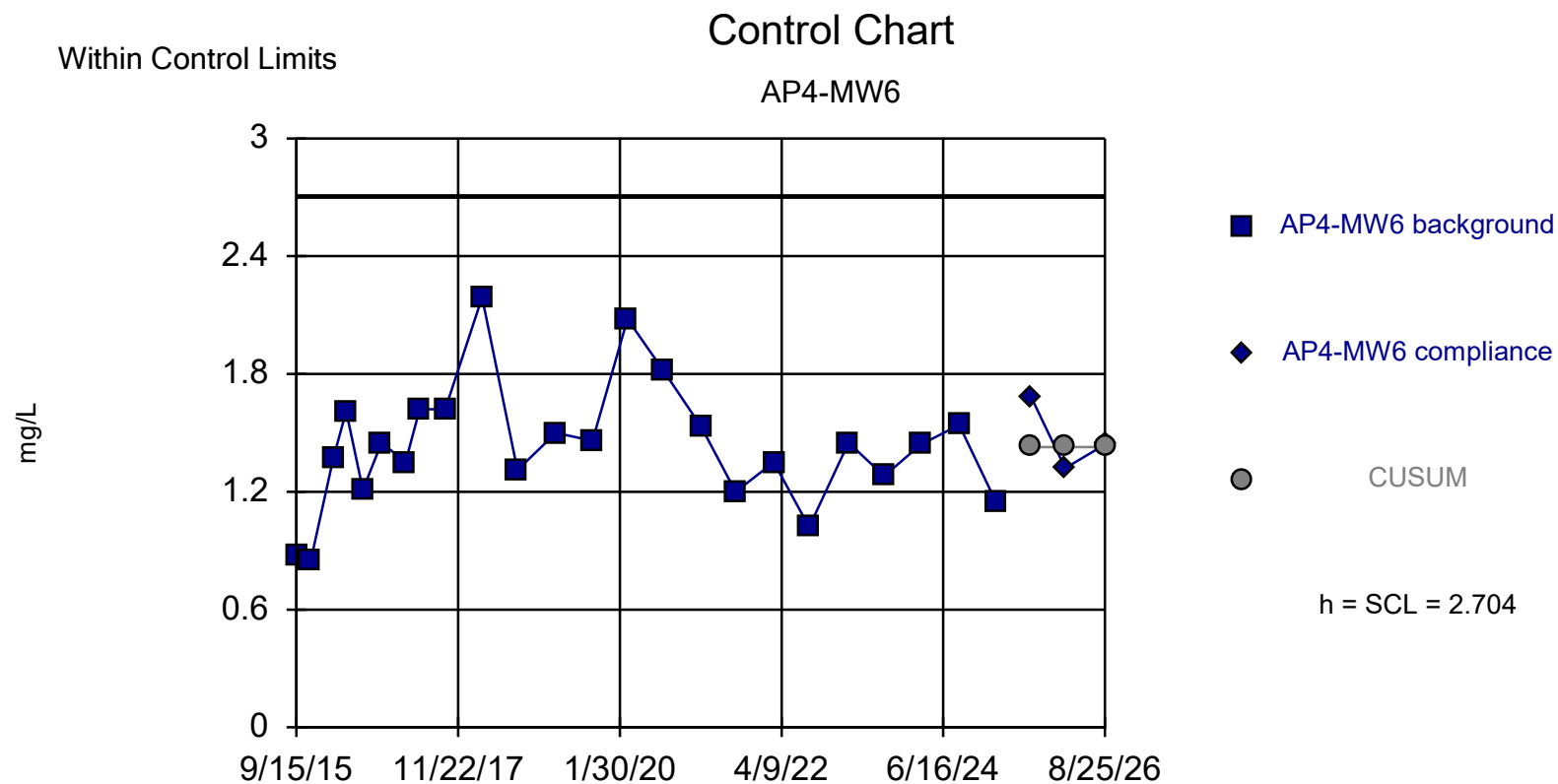
Prediction Limit

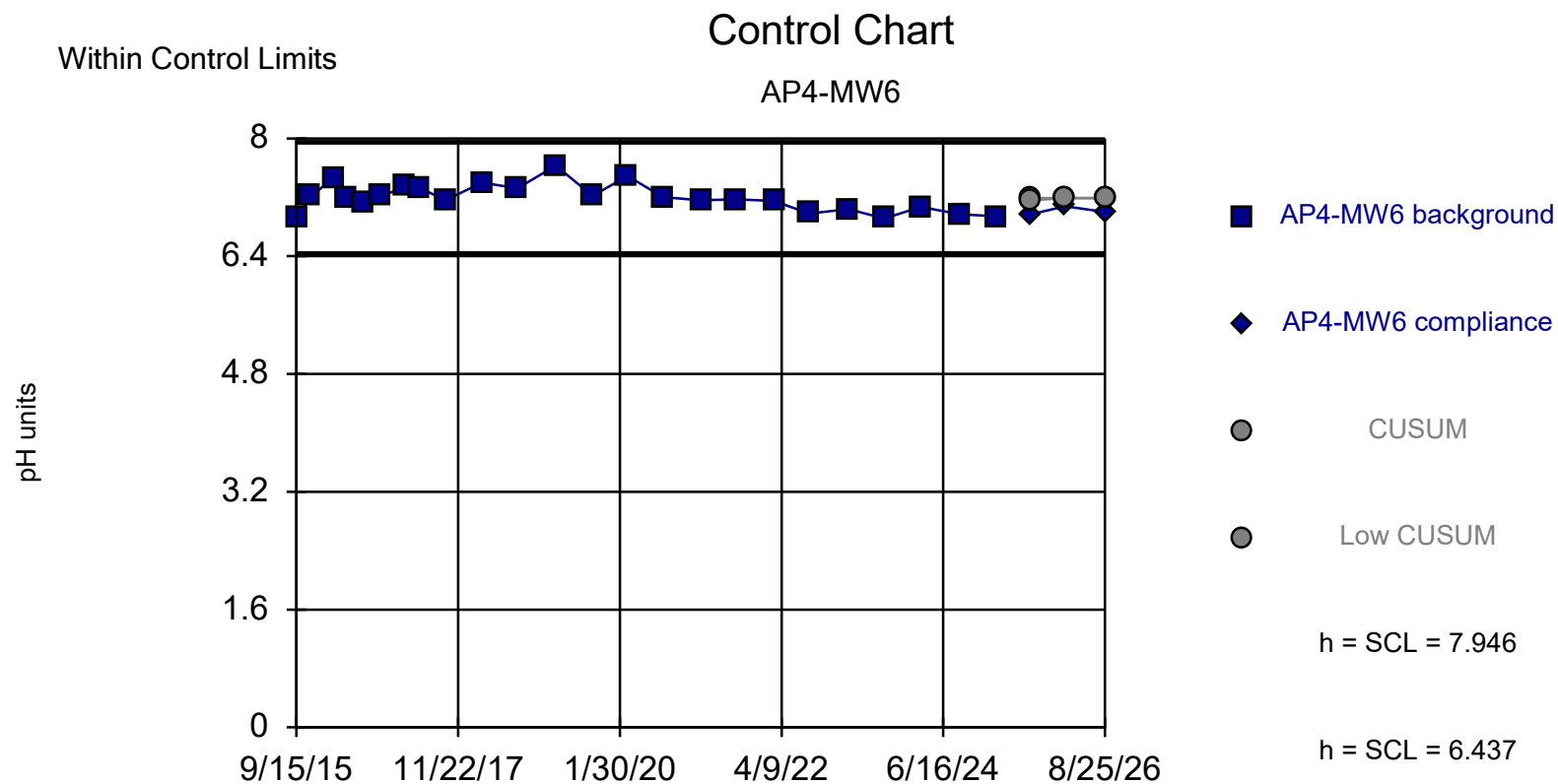
Intrawell Non-parametric



Non-parametric test used in lieu of control chart because non-detects exceed user-adjustable maximum of 25%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2). Most recent point compared to limit. Seasonality was not detected with 95% confidence.

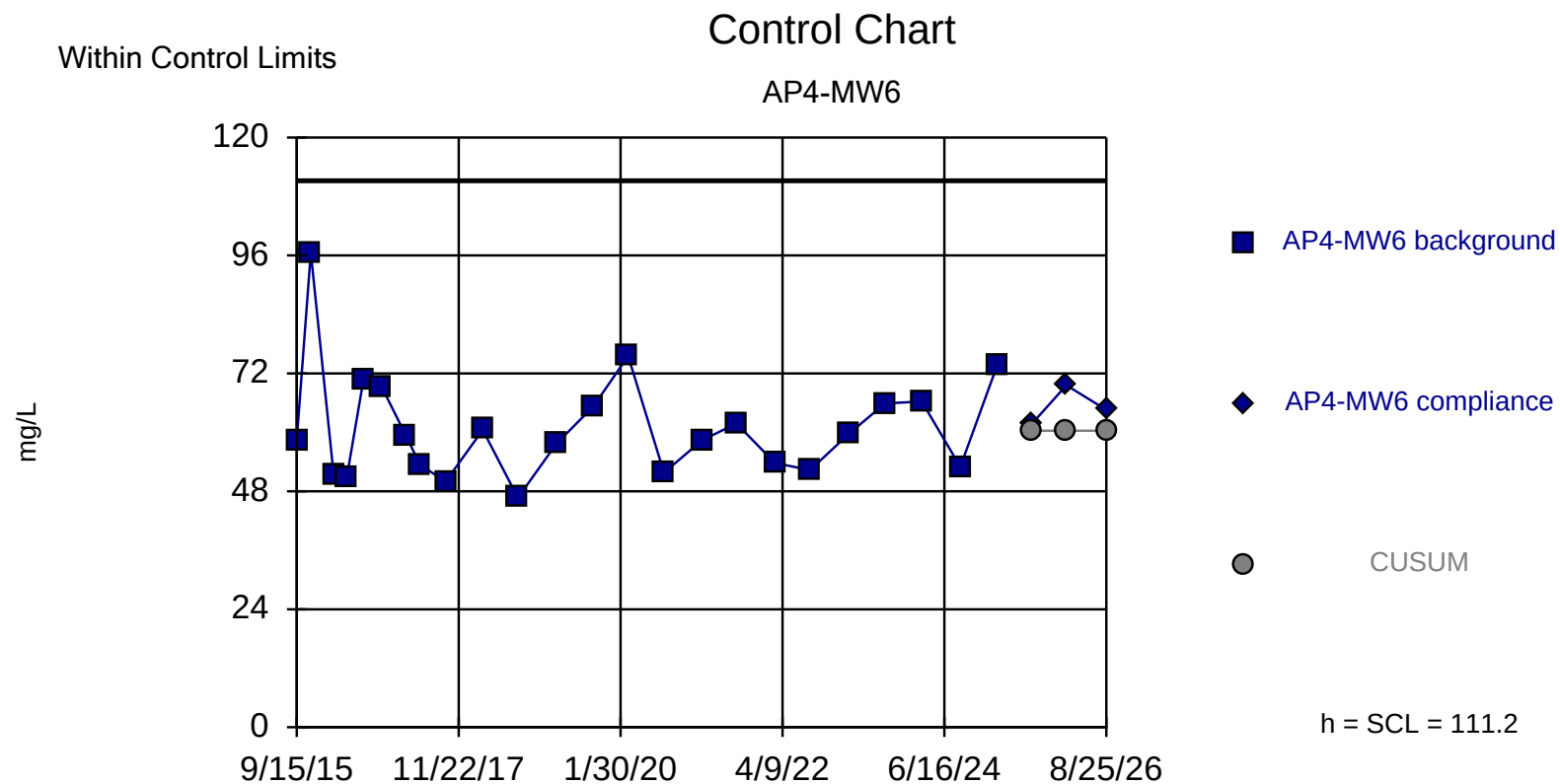
Constituent: Chloride Analysis Run 10/6/2026 3:08 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

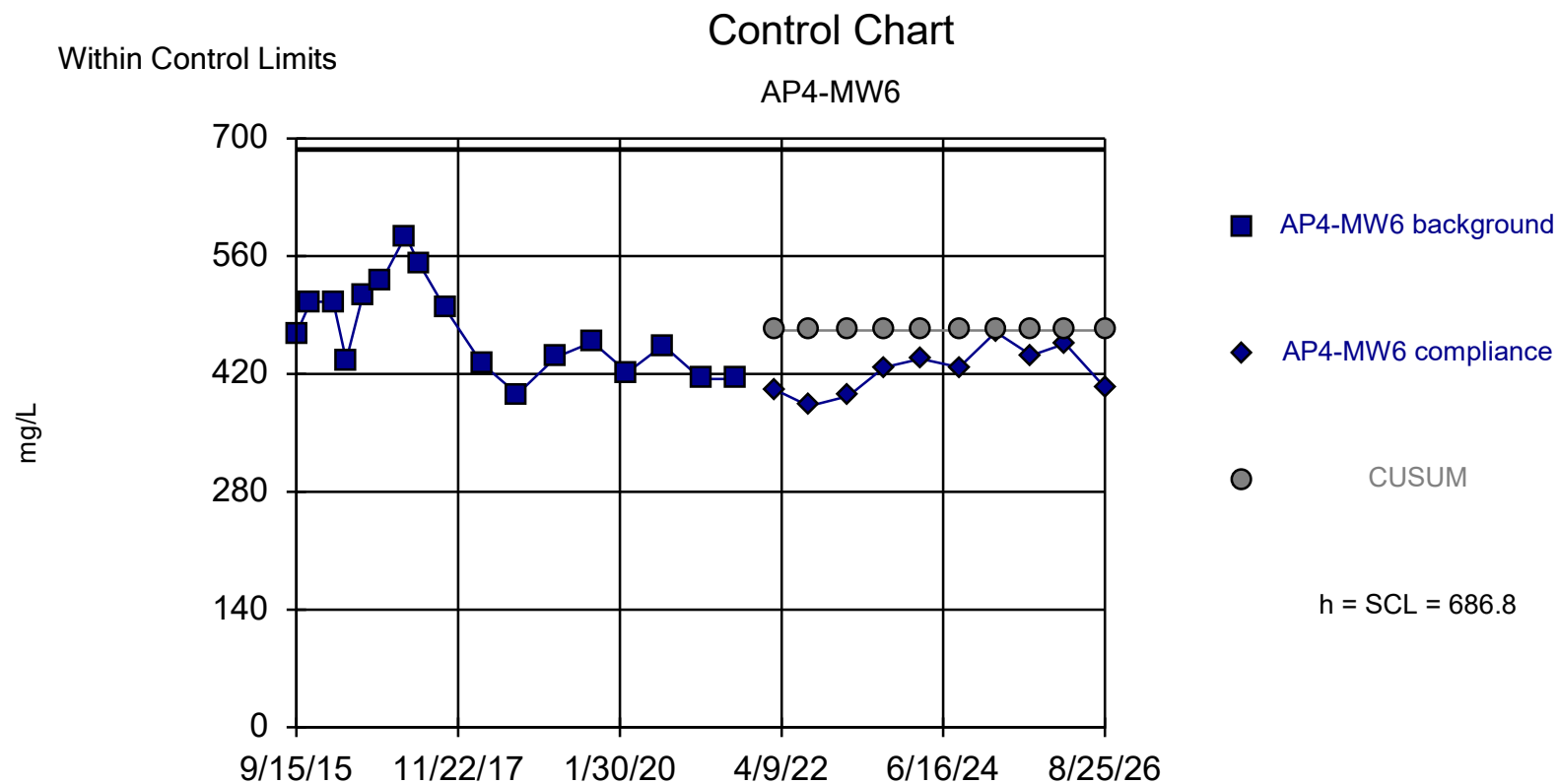




Background Data Summary: Mean=7.191, Std. Dev.=0.1886, n=24. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9613, critical = 0.916. Report alpha = 0.000768. Dates ending 3/3/2025 used for control stats. Standardized h=4, SCL=4.

Constituent: pH, field measured Analysis Run 10/6/2026 3:10 PM
Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026





Background Data Summary: Mean=471.9, Std. Dev.=53.74, n=17. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9491, critical = 0.892. Report alpha = 0.003434. Dates ending 8/25/2021 used for control stats. Standardized h=4, SCL=4.

Constituent: Total Dissolved Solids Analysis Run 10/6/2026 3:15 PM
 Sheldon Station Client: NPPD Data: SheldonStation_Q3-2026

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