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2025 NOS Landfill Annual Groundwater Report

North Omaha Station NOS
Ash Landfill

*Omaha, Nebraska
January 28, 2026*



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Professional Engineer Certification

I hereby certify that to the best of my knowledge that this groundwater monitoring annual report is designed to meet the performance standard in 40 CFR Part 257 of the Federal Coal Combustion Residuals (CCR) Rule.

I am a duly licensed Professional Engineer under the laws of the State of Nebraska.

Print Name: Lori Calub
Signature: *Lori J. Calub*
Date: 1/28/2026
License #: E-9881



My license renewal date is December 31, 2027



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Executive Summary

Omaha Public Power District (OPPD) owns and operates a five-unit generating plant at the North Omaha Station (NOS) in Omaha, Nebraska. Units 1, 2, and 3 were converted to natural gas, while Units 4 and 5 operate as coal-burning units. NOS is located east of Pershing Drive and Craig Street, approximately 3.5 miles northwest of Eppley Airfield, along the west bank of the Missouri River at river mile 625.2. On April 17, 2015, the United States Environmental Protection Agency published the final rule for the regulation and management of coal combustion residuals (CCR) under Subtitle D of the Resource Conservation and Recovery Act. The rule is formally promulgated in the U.S. Code of Federal Regulations (CFR), Title 40, Part 257. The purpose of this report is to provide a summary of CCR groundwater monitoring system activities for calendar year 2025 for the assessment monitoring program under 40 CFR §257.95.

The NOS Ash Landfill transitioned from detection monitoring to assessment monitoring following the November 2017 sampling event due to statistically significant increases (SSIs) above the background threshold values in downgradient monitoring wells. OPPD evaluated an alternate source demonstration (ASD) for the SSIs, but the ASD was unsuccessful and OPPD initiated assessment monitoring in June 2018 and a subsequent event in October 2018. Results indicated multiple Appendix IV constituents at statistically significant levels (SSLs) above the groundwater protection standards (GWPS). OPPD published a notification of the exceedances on February 14, 2019, and a notification of initiation of assessment of corrective measures (ACM) on May 30, 2019 (HDR, 2019a). An initial ACM Report was completed on July 5, 2019.

Additional site information to better understand the hydrogeologic system near the NOS Ash Landfill was obtained through the following studies and reports:

- Title 132: Nature and Extent Investigation Report (HDR, 2019b)
- Hydrogeologic and Geochemical Conceptual Site Model (HDR, 2020b)
- Groundwater Flow Model and Corrective Measures Evaluation Report (HDR, 2020c)
- Evaluation of Potential Groundwater Impacts to Missouri River (HDR, 2021a)
- Groundwater Fate & Transport Model and Corrective Measures Evaluation Report (HDR, 2021b)

Results of the investigations and modeling were presented at a public meeting with interested and affected parties on September 22, 2021. The Nebraska Department of Water, Energy, and Environment (DWEE) provided final approval for long-term groundwater monitoring and post-closure landfill capping for the final remedy on October 19, 2021. The Remedy Selection Report [RSR] (HDR, 2021c) dated December 13, 2021, was provided to DWEE. In an e-mail dated March 21, 2022, DWEE provided comments on the RSR. DWEE's comments indicated unusable coal could not be disposed of in the landfill unit. In response to DWEE's March 21, 2022, comments and due to changes in the remedy, the RSR was revised into a Remedial Action Plan / Remedy Selection Report [RAP/RSR] (dated November 17, 2022) and submitted to DWEE. In an e-mail dated November 30, 2022, the DWEE provided comments on the RAP/RSR. OPPD worked with DWEE's permitting section on submitting a major modification for closure of the landfill. The DWEE approved the major modification on December 13, 2023. Following the approval of the major modification, the RAP/RSR was revised again and



submitted to DWEE on February 14, 2024. The NOS Ash Landfill was certified closed in September 2024.

Two semi-annual sampling events were conducted in 2025: one sampling event in April 2025 and one sampling event in October 2025. Results of the April 2025 analysis indicated 39 SSIs for Appendix III and Appendix IV constituents and 9 SSLs for Appendix IV constituents. No new SSLs were identified during the April 2025 sampling event. Results of the October 2025 analysis indicated 42 SSIs for Appendix III and Appendix IV constituents and 9 SSLs for Appendix IV constituents. No new SSLs were identified during the October 2025 sampling event. Results of the 2025 SSIs and SSLs are summarized in the table below.

The Site will continue to be monitored in accordance with the assessment monitoring program as specified in 40 CFR §257.96(b), and the next semi-annual sampling event is anticipated to occur in April 2025. As specified in 40 CFR §257.90(e)(6), a section must be included at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. The following table summarizes the requested information under 40 CFR §257.90(e)(6).

Summary of 40 CFR Section § 257.90(e)(6) Groundwater Monitoring System Requirements and Site-Specific Compliance			
§257.90(e)(6) A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:		NOS Ash Disposal Area	
§257.90(e)(6)(i)	At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95.	Assessment Monitoring Program	
§257.90(e)(6)(ii)	At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95.	Assessment Monitoring Program	
		Compliance Monitoring Event	
		April 2025	October 2025
§257.90(e)(6)(iii)	If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e):	Yes	Yes
§257.90(e)(6)(iii)(A)	Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase.	<ul style="list-style-type: none"> • MW-2 – boron, calcium, sulfate, TDS • MW-5 – boron, calcium, sulfate, TDS • MW-6 – boron, calcium, chloride, sulfate, TDS • MW-8 – boron, pH, sulfate • MW-13 – boron, sulfate, TDS • MW-15 – boron, sulfate • MW-17 – boron, calcium, sulfate, TDS 	<ul style="list-style-type: none"> • MW-2 – boron, calcium, sulfate, TDS • MW-5 – boron, calcium, sulfate, TDS • MW-6 – boron, calcium, chloride, sulfate, TDS • MW-8 – boron, pH, sulfate • MW-13 – boron, sulfate • MW-15 – boron, calcium, sulfate • MW-17 – boron, calcium, sulfate, TDS
§257.90(e)(6)(iii)(B)	Provide the date when the assessment monitoring program was initiated for the CCR unit.	June 5, 2018	



Summary of 40 CFR Section § 257.90(e)(6) Groundwater Monitoring System Requirements and Site-Specific Compliance			
<p>§257.90(e)(6) A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:</p>		<p>NOS Ash Disposal Area</p>	
		Compliance Monitoring Event	
		April 2025	October 2025
<p>§257.90(e)(6)(iv)</p>	<p>If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to §257.95(g) include all of the following:</p>	<p>Yes</p>	<p>Yes</p>
<p>§257.90(e)(6)(iv)(A)</p>	<p>Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase.</p>	<ul style="list-style-type: none"> • MW-2 – arsenic • MW-5 – arsenic, lithium • MW-13 – arsenic, molybdenum • MW-15 – molybdenum, selenium • MW-17 – cobalt, lithium 	<ul style="list-style-type: none"> • MW-2 – arsenic • MW-5 – arsenic, lithium • MW-13 – arsenic, molybdenum • MW-15 – molybdenum, selenium • MW-17 –cobalt, lithium
<p>§257.90(e)(6)(iv)(B)</p>	<p>Provide the date when the assessment of corrective measures was initiated for the CCR unit.</p>	<p>May 1, 2019: Initiation of assessment of corrective measures</p> <p>May 30, 2019 – Assessment of Corrective Measures</p>	
<p>§257.90(e)(6)(iv)(C)</p>	<p>Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.</p>	<p>September 22, 2021</p>	
<p>§257.90(e)(6)(iv)(D)</p>	<p>Provide the date when the assessment of corrective measures was completed for the CCR unit.</p>	<p>December 13, 2021 – Remedy Selection Report</p>	
<p>§257.90(e)(6)(v)</p>	<p>Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection.</p>	<p>DWEE Title 132 Remedial Action Plan: The DWEE approved a major permit modification on December 13, 2023. A revised RAP/RSR was submitted to DWEE on February 14, 2024. The landfill was certified closed in September 2024.</p>	
<p>§257.90(e)(6)(vi)</p>	<p>(vi) Whether remedial activities were initiated or are ongoing pursuant to §257.98 during the current annual reporting period.</p>	<p>Remedial activities were initiated in 2023, and the landfill was certified closed in September 2024. Ongoing long-term monitoring in current reporting period (2025).</p>	

1 Introduction

On April 17, 2015, the United States Environmental Protection Agency (EPA) published the final rule for the regulation and management of coal combustion residuals (CCR) under Subtitle D of the Resource Conservation and Recovery Act. Disposal of CCR from Electric Utilities final rule is formally promulgated in the U.S. Code of Federal Regulations (CFR), Title 40, Part 257 (EPA, 2015). The rule – effective on October 19, 2015 – applies to electric utilities and independent power producers that fall within North American Industry Classification System code 221112, and facilities that produce or store CCR materials in surface impoundments or landfills. The CCR rule defines a set of requirements for the disposal and handling of CCR within units (defined as either landfills or surface impoundments). This regulation applies to the Omaha Public Power District (OPPD) North Omaha Station (NOS).

1.1 Purpose

Specified in 40 CFR §257.90(e), an owner or operator of an existing CCR landfill must prepare an annual groundwater monitoring and corrective action report to summarize any key actions completed, problems encountered, and upcoming activities related to the groundwater monitoring system. The information included in this report complies with the requirements established in 40 CFR §257.90(e) and provides a summary of CCR groundwater monitoring system activities for calendar year 2025.

1.2 Facility Information

OPPD owns and operates a five-unit generating plant at NOS, herein referenced as “Station” or “Site”, in Omaha, Nebraska. Units 1, 2, and 3 were converted to natural gas, while units 4 and 5 were retrofitted with air pollution control equipment and are operating as coal-burning units. The Station is located east of Pershing Drive and Craig Street, approximately 3.5 miles northwest of Eppley Airfield, along the west bank of the Missouri River at river mile 625.2 (**Figure 1**). The first generating unit was placed in service in July 1954, and the fifth unit was placed in operation in 1968. Beneficial use and disposal of the fossil fuel combustion ash has occurred since the 1950s.

This Station has a CCR landfill that was closed in 2024. The NOS Ash Landfill is permitted under the current Nebraska Department of Water, Energy, and Environment (DWEE) Title 132 regulations for fossil fuel combustion ash disposal areas (DWEE Permit No. NE0054739, Facility ID 59763). Prior to the DWEE approved major modification to the permit, the regulated NOS Ash Landfill consisted of an unlined active CCR landfill of approximately 18 acres and a 1.4-acre undeveloped portion permitted for ash disposal. A major permit modification was approved by DWEE for early closure of the NOS Ash Landfill. The permit modification revised the total area of the ash disposal area to 18.503 acres. The closure project included removal of the soil from a previously closed landfill adjacent to the NOS Ash Landfill (also referred to as the Legacy Landfill) and installation of a new landfill cap on both the NOS Ash Landfill and the Legacy Landfill. During 2023, closure activities were initiated at the NOS Ash Landfill. The landfill was certified closed in September 2024. **Figure 2** identifies the NOS Ash Landfill for this report and the supporting monitoring well network.

2 Monitoring Program Summary

The groundwater monitoring system currently includes ten monitoring wells consisting of three upgradient/background monitoring wells (MW-9, MW-18, MW-19) and seven downgradient/compliance monitoring wells (MW-2, MW-5, MW-6, MW-8, MW-13, MW-15, and MW-17) (HDR, 2020a). Monitoring well details for the monitoring network, including the date of installation, is provided in **Table 1**. The location of the monitoring wells in the groundwater monitoring program with respect to the NOS Ash Landfill are shown in **Figure 2**.

2.1 Transition of Monitoring Programs

On January 31, 2018, OPPD published statistically significant increases (SSIs) detected in November 2017 in downgradient monitoring wells at the NOS Ash Landfill for 17 monitoring well/constituent pairs. These SSIs were noted in multiple wells and included boron, calcium, chloride, sulfate, and total dissolved solids (TDS) from the Appendix III constituents. OPPD conducted an alternate source demonstration (ASD) for the SSIs to evaluate potential error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. The ASD was unsuccessful and OPPD published a notification (dated May 29, 2018) stating the facility had initiated an assessment monitoring program in accordance with 40 CFR §257.95.

Assessment monitoring was initiated in June 2018 and a subsequent event was conducted in October 2018. During each event, background and compliance monitoring wells were sampled, and samples were analyzed for both 40 CFR §257 Appendix III and 40 CFR §257 Appendix IV constituents. Results of the statistical analysis of the data indicated multiple Appendix IV constituents were detected at statistically significant levels (SSLs) above the groundwater protection standards (GWPS). OPPD published a notification of the SSLs on February 14, 2019 (OPPD, 2019), and a notification of initiation of assessment of corrective measures (ACM). An initial ACM report was completed on July 5, 2019 (HDR, 2019a). During the completion of the report, data gaps were identified. Additional site information was obtained and submitted in the Title 132 Nature & Extent Report (HDR, 2019b).

Following the initial ACM Report, additional information necessary to understand the hydrogeologic system at the NOS Ash Landfill was obtained. A Conceptual Site Model (CSM) was prepared to describe the site-specific geologic and hydrogeologic regimes (HDR, 2020b). Using the CSM, a groundwater flow model was prepared to create a digital representation of the groundwater flow system (HDR, 2020c). The groundwater flow model was used to develop a transient model that simulated the fate and transport of constituents of interest (COIs) at the Site (HDR, 2021b). During the 2021 reporting period, semi-annual updates describing the progress in selecting a corrective action at the NOS Ash Landfill were completed on January 4, 2021, and July 2, 2021. Results of the investigations and modeling were presented at a public meeting with interested and affected parties on September 22, 2021. The Remedy Selection Report [RSR] (HDR, 2021c) was completed on December 13, 2021. In an e-mail dated March 21, 2022, the DWEE provided comments on the RSR. DWEE comments indicated unusable coal could not be disposed of in the onsite CCR landfill unit. In response to DWEE's March 21, 2022, comments, the RSR was revised into a Remedial Action Plan / Remedy Selection Report [RAP/RSR] (dated November 17, 2022) and resubmitted to DWEE. In an e-mail dated

November 30, 2022, the DWEE provided comments on the RAP/RSR. OPPD worked with DWEE's permitting section on submitting a major modification for closure of the landfill. The DWEE approved the major modification on December 13, 2023. Following the approval of the major modification, the RAP/RSR was revised again and submitted to DWEE on February 14, 2024. The landfill was certified closed in September 2024.

2.2 Groundwater Monitoring Network Condition Assessment

OPPD personnel evaluated the condition of each monitoring well in the groundwater monitoring network during the semi-annual sampling events in April 2025 and October 2025. All the wells were noted in good working condition, concrete pads were intact, and no damage was observed to the protective well casings during 2025.

No network monitoring wells were installed or decommissioned during the 2025 monitoring period. The certified groundwater monitoring system remained unchanged in 2025.

3 Data Evaluation and Summary

3.1 Summary of Sampling Activities

Groundwater sampling events were conducted by OPPD personnel in April 2025 and October 2025 as continuation of the assessment monitoring program in accordance with 40 CFR §257.96(b). Samples were collected in compliance with 40 CFR §257.90(c), which requires groundwater monitoring be conducted throughout the active life and post-closure care period of the CCR unit for each current background and downgradient well in the monitoring network. The number of samples collected for each background and downgradient well during each groundwater sampling event, whether the sample was collected during detection or assessment monitoring programs, and the date of each event is summarized in **Table 2**.

Groundwater sampling was conducted by OPPD personnel in accordance with the facility's DWEE Title 132 Groundwater Sampling and Analysis Plan (HDR, 2023) and the CCR Groundwater Monitoring System Certification (HDR, 2020a). Samples were analyzed for Appendix III and Appendix IV constituents during both semi-annual sampling events. Field sampling forms from these sampling events are provided in **Appendix A**. The collected groundwater samples were analyzed by Eurofins, and laboratory analytical reports are provided in **Appendix B**.

3.2 Groundwater Elevations & Flow Direction

Static groundwater level measurements were recorded at the monitoring wells specified in **Table 1** prior to purging and sampling activities conducted during the groundwater sampling events. Groundwater measurements from both monitoring network wells and water level only wells, as specified in **Table 1**, were used to develop groundwater contours for semi-annual sampling events in 2025. Monitoring well static groundwater elevations are provided in **Table 3**. Groundwater measurements collected during the April 2025 sampling event indicated a flow direction to the east/northeast, with an average flow velocity of 0.00477 feet per day (ft/day) to 0.331 ft/day (**Figure 3**). Groundwater measurements collected during the October 2025 sampling event indicated a flow direction to the east/northeast with an average flow velocity of

0.00243 ft/day to 0.168 ft/day (**Figure 4**). The flow velocities are based on a range of hydraulic conductivity at the Site of 0.0544 ft/day to 3.77 ft/day (HDR, 2020a).

3.3 Assessment Monitoring Groundwater Sampling

The NOS Ash Landfill was monitored semi-annually in 2025 as continuation of the assessment monitoring program in accordance with 40 CFR §257.96(b). Appendix III and Appendix IV constituents were analyzed for both the April 2025 and October 2025 sampling events, meeting the requirements of 40 CFR §257.95. The results of the assessment monitoring events are presented in **Table 4** (Appendix III constituents) and **Table 5** (Appendix IV constituents).

3.4 Statistical Analysis Results

In the assessment monitoring program, Appendix III and IV constituents are statistically analyzed to evaluate for SSIs above the calculated background threshold values (BTVs), and Appendix IV constituents are statistically analyzed to evaluate for SSLs above the GWPS. Statistical analyses were performed using Sanitas™ statistical analysis software in accordance with the methods described in the Groundwater Monitoring Statistical Methods Certification (HDR, 2022b). Statistically derived BTVs for Appendix III and IV constituents are provided in **Table 6**. BTVs are updated every two years or during a monitoring program transition, in accordance with Chapter 21 of the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance (EPA, 2009). The BTVs were updated as part of the October 2025 statistical analysis. The established GWPS for each Appendix IV constituent is provided in **Table 7**. Results of the statistical analysis of designated in-network downgradient monitoring wells from the April 2025 and October 2025 sampling events are provided in **Appendix C**.

Semi-annual sampling events were conducted in April 2025 and October 2025. Results of the April 2025 analysis indicated 39 SSIs for Appendix III and Appendix IV constituents, as follows:

- Arsenic in MW-2, MW-5, and MW-13
- Boron in MW-2, MW-5, MW-6, MW-8, MW-13, MW-15, and MW-17
- Calcium in MW-2, MW-5, MW-6, and MW-17
- Chloride in MW-6
- Chromium in MW-15
- Cobalt in MW-6 and MW-17
- Lithium in MW-5 and MW-17
- Molybdenum in MW-6, MW-8, MW-13, MW-15, and MW-17
- pH in MW-8
- Selenium in MW-15
- Sulfate in MW-2, MW-5, MW-6, MW-8, MW-13, MW-15, and MW-17
- TDS in MW-2, MW-5, MW-6, MW-13, and MW-17

No new SSLs were identified during the April 2025 sampling event. Analysis of the Appendix IV constituents indicated 9 SSLs detected above the GWPS during the April 2025 sampling event:

- Arsenic in MW-2, MW-5 and MW-13
- Cobalt in MW-17

- Lithium in MW-5 and MW-17
- Molybdenum in MW-13 and MW-15
- Selenium in MW-15

Results of the October 2025 analysis indicated 42 SSLs for Appendix III and Appendix IV constituents, as follows:

- Antimony in MW-15
- Arsenic in MW-2, MW-5, MW-13, and MW-17
- Boron in MW-2, MW-5, MW-6, MW-8, MW-13, MW-15, and MW-17
- Calcium in MW-2, MW-5, MW-6, MW-15, and MW-17
- Chloride in MW-6
- Chromium in MW-15
- Cobalt in MW-6 and MW-17
- Lithium in MW-5 and MW-17
- Molybdenum in MW-5, MW-6, MW-8, MW-13, MW-15, and MW-17
- pH in MW-8
- Selenium in MW-15
- Sulfate in MW-2, MW-5, MW-6, MW-8, MW-13, MW-15, and MW-17
- TDS in MW-2, MW-5, MW-6, and MW-17

No new SSLs were identified during the October 2025 sampling event. Analysis of the Appendix IV constituents indicated 9 SSLs detected above the GWPS during the October 2025 sampling event:

- Arsenic in MW-2, MW-5, and MW-13
- Cobalt in MW-17
- Lithium in MW-5 and MW-17
- Molybdenum in MW-13 and MW-15
- Selenium in MW-15

3.5 Other Information Required under 40 CFR §257.90-98

No other information is required under 40 CFR §257.90-98 at this time.

4 Key Activities for Upcoming Year

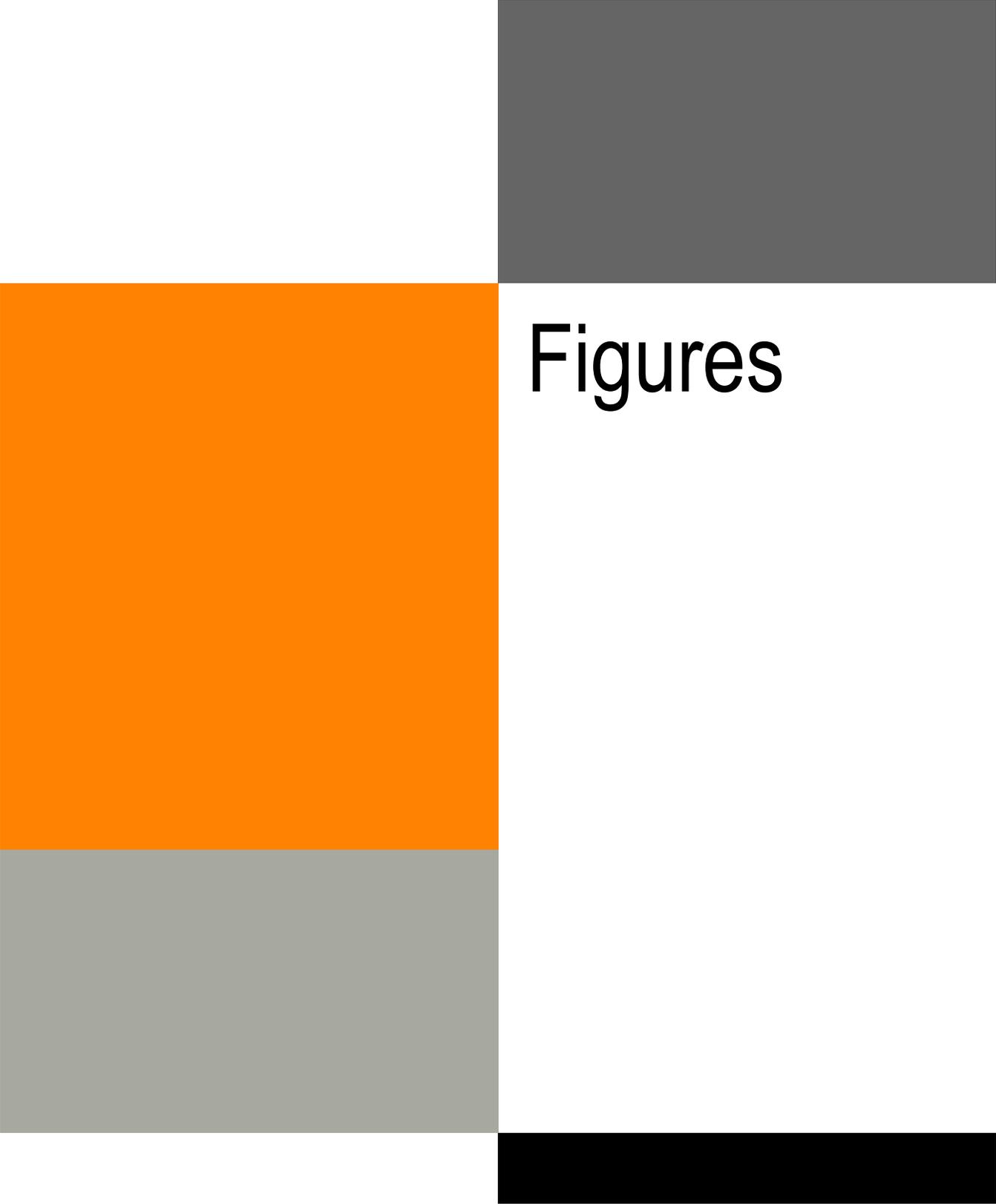
OPPD will continue with long-term monitoring as outlined in the RAP/RSR (HDR, 2024). The Site will continue to be monitored in accordance with the assessment monitoring program as specified in 40 CFR §257.96(b), and the next semi-annual sampling event is anticipated to occur in April 2026.

5 References

EPA, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities: Unified Guidance*. Environmental Protection Agency Office of Resource Conservation and Recovery. EPA 530/R-09-007. March 2009.

- EPA, 2015. 40 CFR Part 257; *Disposal of Coal Combustion Residuals from Electric Utilities*; Final Rule, Federal Register vol. 80, no. 74. Environmental Protection Agency. April 17, 2015.
- HDR, 2019a. *Assessment of Corrective Measures for Groundwater at Omaha Public Power District (OPPD) North Omaha Station*. Omaha, Nebraska. July 5, 2019.
- HDR, 2019b. *Title 132 Nature & Extent Report*. North Omaha Station Ash Disposal Area. Omaha, Nebraska. December 18, 2019.
- HDR, 2020a. *CCR Groundwater Monitoring System Certification (rev. 3)*. North Omaha Station Ash Disposal Area. Omaha, Nebraska. Amended January 24, 2020.
- HDR, 2020b. *Hydrogeologic and Geochemical Conceptual Site Model*. NOS Ash Disposal Area. Omaha, Nebraska. May 5, 2020.
- HDR, 2020c. *Groundwater Flow Model and Corrective Measures Evaluation Report*. NOS Ash Disposal Area. Omaha, Nebraska. June 18, 2020.
- HDR, 2021a. *Evaluation of Potential Groundwater Impacts to Missouri River*. NOS Ash Disposal Area. Omaha, Nebraska. March 9, 2021.
- HDR, 2021b. *Groundwater Fate & Transport Model and Corrective Measures Evaluation Report*. NOS Ash Disposal Area. Omaha, Nebraska. May 11, 2021.
- HDR, 2021c. *Groundwater Remedy Selection Report*. NOS Ash Disposal Area. Omaha, Nebraska. December 13, 2021.
- HDR, 2022a. *Remedial Action Plan / Remedy Selection Report*. NOS Ash Disposal Area. Omaha, Nebraska. November 17, 2022.
- HDR, 2022b. *Groundwater Monitoring Statistical Methods Certification*. NOS Ash Disposal Area. Omaha, Nebraska. Revised November 2022.
- HDR, 2023. *Groundwater Sampling and Analysis Plan*. North Omaha Station Ash Disposal Area. Omaha, Nebraska. September 2023.
- HDR, 2024. *Remedial Action Plan / Remedy Selection Report*. NOS Ash Disposal Area. Omaha, Nebraska. February 14, 2024.
- OPPD, 2019. Memorandum. *Notification of Appendix IV SSLs exceeding the GWPS*. NOS Ash Disposal Area. Omaha, Nebraska. February 14, 2019.

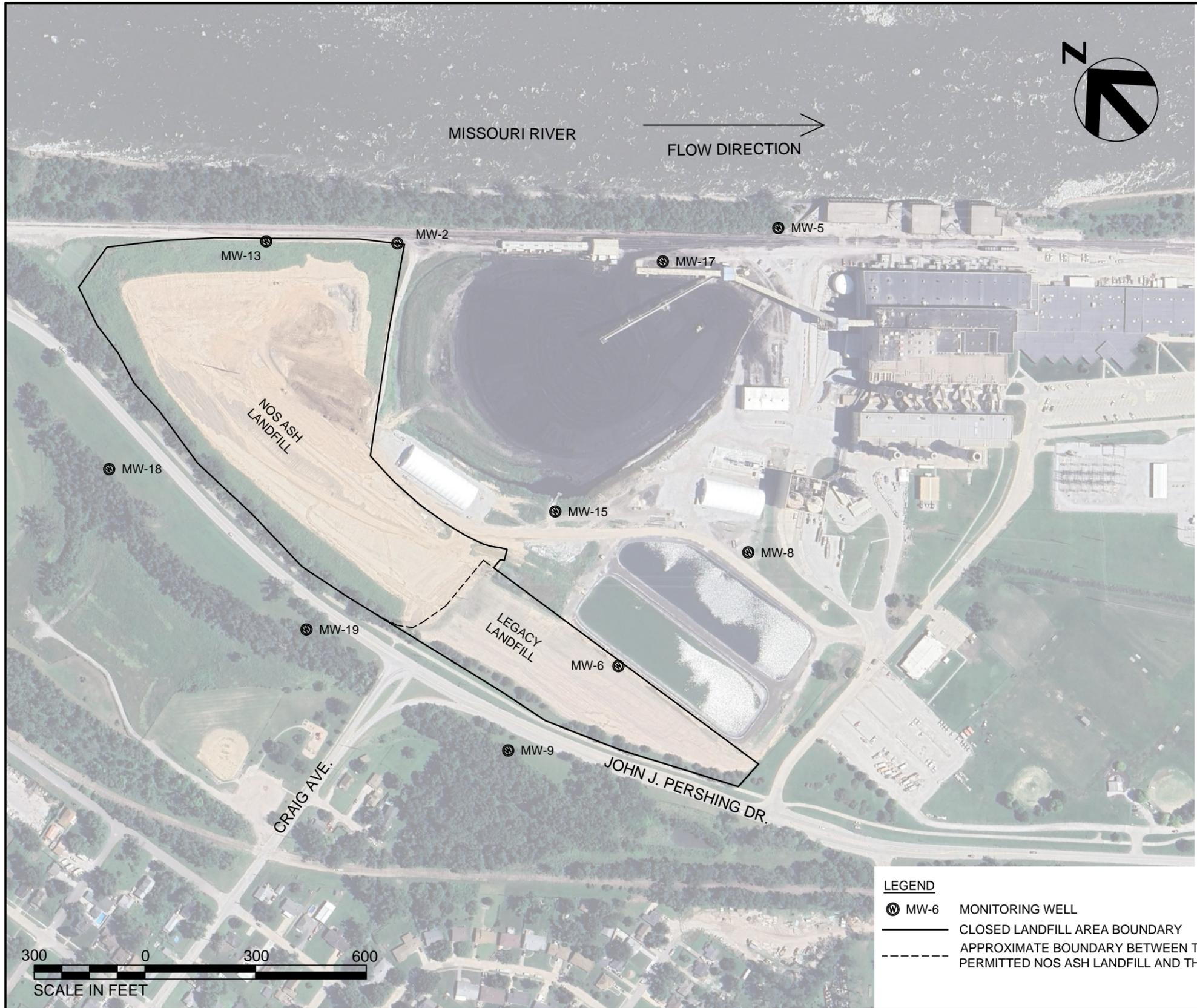
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A decorative graphic consisting of several overlapping colored rectangles. A large orange rectangle is on the left. A dark grey rectangle is at the top right. A light grey rectangle is at the bottom left. A black rectangle is at the bottom right. The word "Figures" is written in black text on the white background to the right of the orange rectangle.

Figures

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COMPLIANCE AND BACKGROUND MONITORING WELLS		
WELL ID	INSTALL DATE	COMMENTS
MW-2	3/6/1995	DOWNGRAIENT
MW-5	3/2/1995	DOWNGRAIENT
MW-6	3/8/1995	CROSS-GRADIENT
MW-8	3/7/1995	CROSS-GRADIENT
MW-9	5/4/1996	BACKGROUND
MW-13	4/12/2001	DOWNGRAIENT
MW-15	4/12/2001	DOWNGRAIENT
MW-17	5/10/2007	DOWNGRAIENT
MW-18	12/1/2015	BACKGROUND
MW-19*	1/20/2016	BACKGROUND

NOTES:
 1. * FLUSH MOUNT WELL

LEGEND
 (W) MW-6 MONITORING WELL
 ——— CLOSED LANDFILL AREA BOUNDARY
 - - - - - APPROXIMATE BOUNDARY BETWEEN THE TITLE 132 PERMITTED NOS ASH LANDFILL AND THE LEGACY LANDFILL



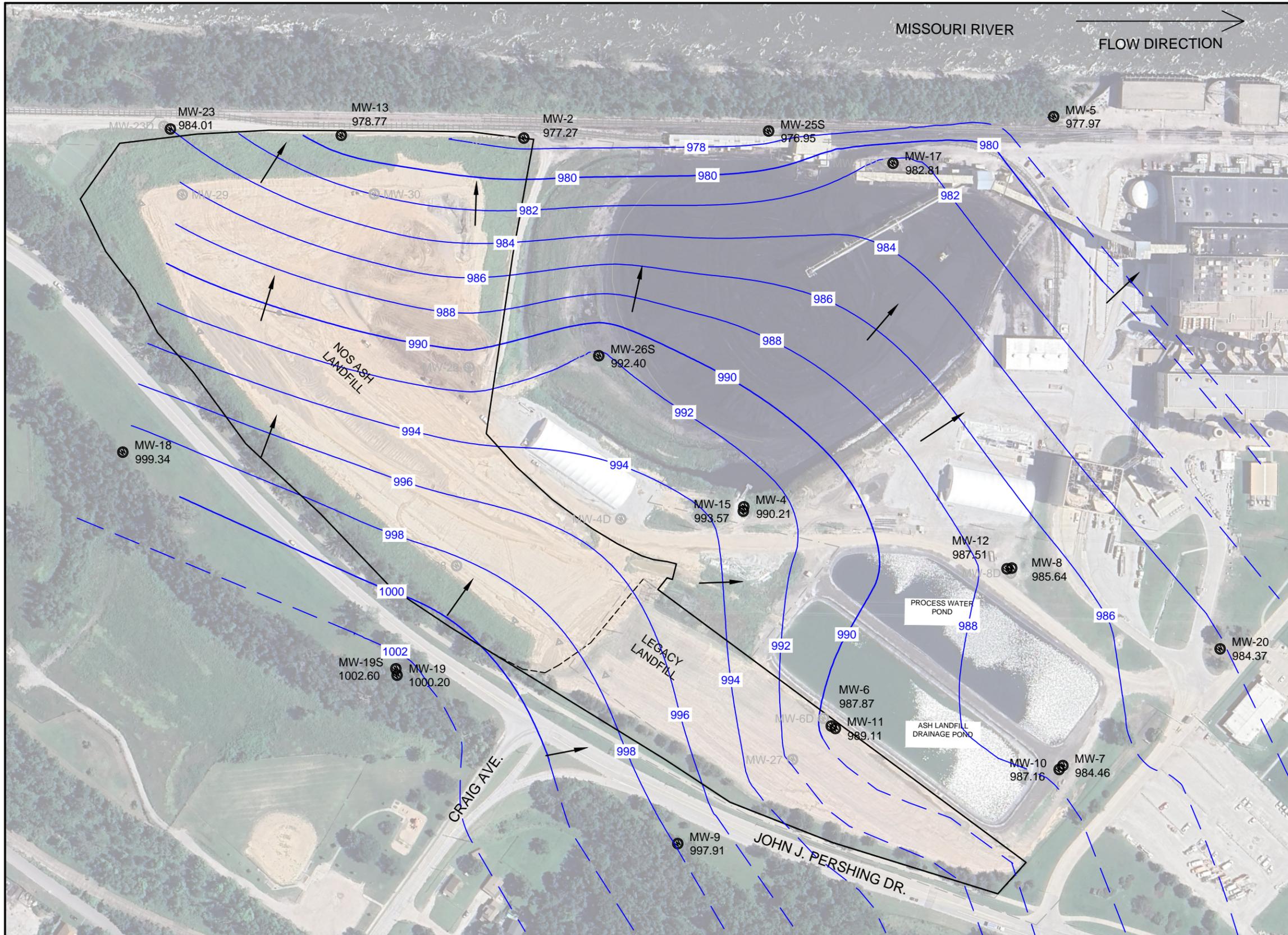
**OMAHA PUBLIC POWER DISTRICT
 NORTH OMAHA STATION - ASH LANDFILL
 MONITORING WELL LOCATION MAP**

2025 GROUNDWATER MONITORING

DATE
 JANUARY 2026

FIGURE
 2

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- CLOSED LANDFILL AREA BOUNDARY
- +++++ RAILROAD TRACKS
- ⊗ MW-15 989.91 MONITORING WELL AND GROUNDWATER ELEVATION
- ⊗ MW-4D BEDROCK MONITORING WELL
- 990 — GROUNDWATER CONTOURS (AMSL)
*DASHED WHERE INFERRED
- INFERRED GROUNDWATER FLOW DIRECTION
- - - - - APPROXIMATE BOUNDARY BETWEEN THE TITLE 132 PERMITTED NOS ASH LANDFILL AND THE LEGACY LANDFILL

NOTES

1. CONTOURS WERE DEVELOPED USING COMPLIANCE & BACKGROUND MONITORING WELLS AND WATER LEVEL ONLY WELLS. BEDROCK WELLS ARE NOT INCLUDED IN THE CONTOURS.
2. SCREENED INTERVALS FOR WELLS MW-4, MW-6, MW-7, MW-8 AND MW-19 ARE DEEPER IN THE SATURATED FORMATION THAN SURROUNDING WELLS. GROUNDWATER ELEVATIONS FROM THESE WELLS WERE NOT USED IN CONTOUR DEVELOPMENT SINCE THE DATA MAY NOT BE INDICATIVE OF THE WATER TABLE SURFACE ELEVATION.

GROUNDWATER FLOW VELOCITY

TRACER VELOCITY = $V_T = \frac{K_i}{n}$

K = HYDRAULIC CONDUCTIVITY (SEE TABLE BELOW)

i = GRADIENT = $\frac{10ft}{380ft} = 0.0263$ FT/FT

n = POROSITY = 0.3

K	V_T
0.0544 FT/DAY	0.00477 FT/DAY
3.77 FT/DAY	0.331 FT/DAY

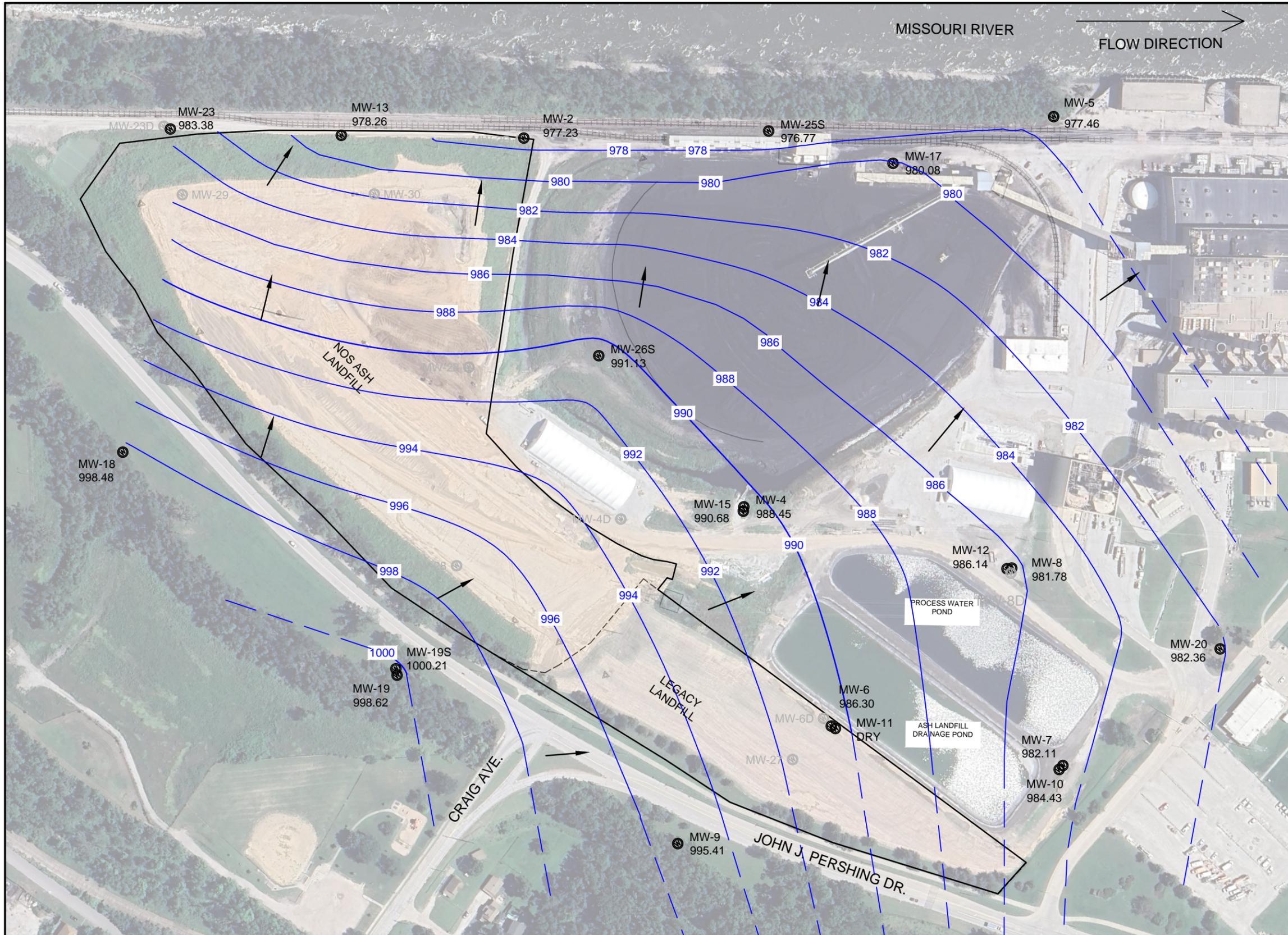


**OMAHA PUBLIC POWER DISTRICT
NORTH OMAHA STATION - ASH LANDFILL
GROUNDWATER CONTOUR MAP - APRIL 2025**

2025 GROUNDWATER MONITORING

DATE	DECEMBER 2025
FIGURE	3

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- CLOSED LANDFILL AREA BOUNDARY
- ++++ RAILROAD TRACKS
- ⊙ MW-15 989.91 MONITORING WELL AND GROUNDWATER ELEVATION
- ⊙ MW-4D BEDROCK MONITORING WELL
- 990 — GROUNDWATER CONTOURS (AMSL) *DASHED WHERE INFERRED
- INFERRED GROUNDWATER FLOW DIRECTION
- NM NOT MEASURED
- - - - - APPROXIMATE BOUNDARY BETWEEN THE TITLE 132 PERMITTED NOS ASH LANDFILL AND THE LEGACY LANDFILL

- NOTES**
1. CONTOURS WERE DEVELOPED USING COMPLIANCE & BACKGROUND MONITORING WELLS AND WATER LEVEL ONLY WELLS. BEDROCK WELLS ARE NOT INCLUDED IN THE CONTOURS.
 2. SCREENED INTERVALS FOR WELLS MW-4, MW-6, MW-7, MW-8 AND MW-19 ARE DEEPER IN THE SATURATED FORMATION THAN SURROUNDING WELLS. GROUNDWATER ELEVATIONS FROM THESE WELLS WERE NOT USED IN CONTOUR DEVELOPMENT SINCE THE DATA MAY NOT BE INDICATIVE OF THE WATER TABLE SURFACE ELEVATION.

GROUNDWATER FLOW VELOCITY

TRACER VELOCITY = $V_T = \frac{K_i}{n}$

K = HYDRAULIC CONDUCTIVITY (SEE TABLE BELOW)

i = GRADIENT = $\frac{10 \text{ ft}}{745 \text{ ft}} = 0.0134 \text{ FT/FT}$

n = POROSITY = 0.3

K	V _T
0.0544 FT/DAY	0.00243 FT/DAY
3.77 FT/DAY	0.168 FT/DAY

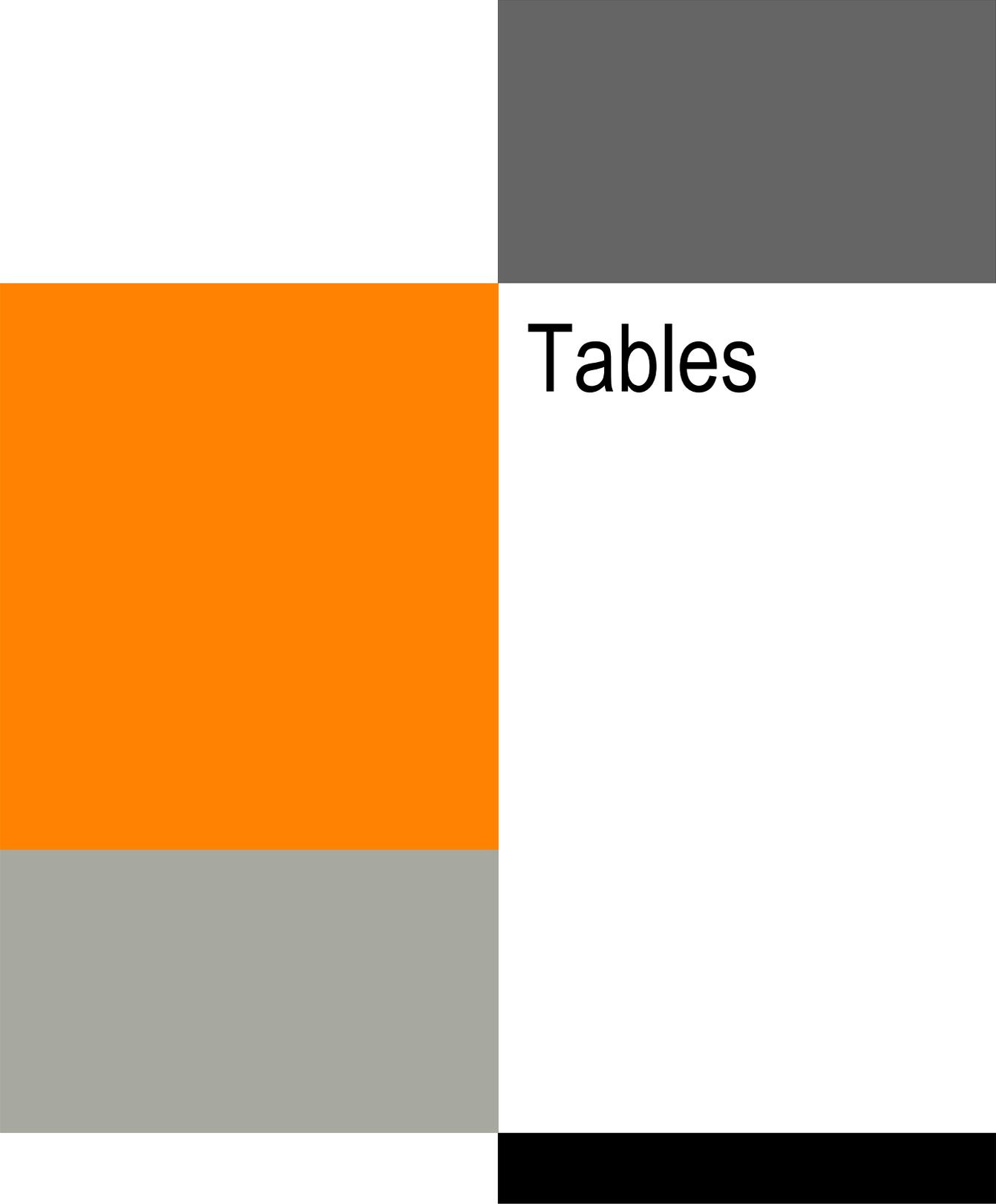


**OMAHA PUBLIC POWER DISTRICT
NORTH OMAHA STATION - ASH LANDFILL
GROUNDWATER CONTOUR MAP - OCTOBER 2025**

2025 GROUNDWATER MONITORING

DATE	JANUARY 2025
FIGURE	4

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Tables

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Table 1 - Groundwater Monitoring System
 Omaha Public Power District - NOS Ash Landfill

Monitoring Well ID	Date Installed	Well Depth ^[1] (feet bgs)	Location w/respect to NOS Ash Landfill	Ground Surface Elevation (feet AMSL)	Top of Well Casing Elevation ^[2] (feet AMSL)
CCR Monitoring Network Wells					
MW-2	3/6/1995	30	Downgradient	998.30	1001.41
MW-5	3/2/1995	30	Downgradient	998.10	1000.96
MW-6	3/8/1995	31	Cross-gradient	999.60	1002.65
MW-8	3/7/1995	30	Cross-gradient	1000.30	1003.59
MW-9	5/4/1996	63	Background/Upgradient	1027.10	1026.47
MW-13	4/12/2001	30	Downgradient	999.02	1001.91
MW-15	4/12/2001	15	Downgradient	1002.80	1005.39
MW-17	5/10/2007	30	Downgradient	999.60	1002.54
MW-18	12/1/2015	71	Background/Upgradient	1037.10	1036.70
MW-19	1/20/2016	76	Background/Upgradient	1037.30	1036.91
Water Level Only Wells^[3]					
MW-4	3/6/1995	33	Water Level Only Well	1001.30	1004.59
MW-7	3/8/1995	30	Water Level Only Well	999.10	1001.85
MW-10	4/11/2001	15	Water Level Only Well	1000.13	1002.48
MW-11	4/11/2001	15	Water Level Only Well	1000.49	1002.99
MW-12	4/11/2001	15	Water Level Only Well	1001.35	1003.78
MW-19S	10/21/2019	46	Water Level Only Well	1036.71	1036.21
MW-20	11/9/2015	35	Water Level Only Well	991.20	993.47
MW-23	2/26/2019	24	Water Level Only Well	997.70	1000.81
MW-25S	10/18/2019	28	Water Level Only Well	999.24	1002.51
MW-26S	10/18/2020	28	Water Level Only Well	1008.24	1011.54

Notes:

^[1] bgs - below ground surface

^[2] AMSL - above mean sea level

^[3] Monitoring wells MW-22, MW-27, MW-28, MW-29, and MW-30 were decommissioned in October 2023 as part of the landfill closure project.

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Table 2 - Groundwater Sampling Event Summary
Omaha Public Power District - NOS Ash Landfill

Monitoring Well ID	# of Initial Background Samples	Initial Background Sample Dates	# of Detection Monitoring Samples	Detection Monitoring Sample Dates ^[1]	# of Assessment Monitoring Samples	Assessment Monitoring Sample Dates ^{[2] [3]}
Current Background Monitoring Wells						
MW-9	8	3/22/2016, 6/14/2016, 9/2/2016, 11/28/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017	2	11/7/2017, 3/20/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/13/2020, 10/7/2020, 4/5/2021, 10/11/2021, 4/11/2022, 10/5/2022, 4/3/2023, 10/3/2023, 4/2/2024, 10/1/2024, 4/3/2025, 10/2/2025
MW-18	8	3/22/2016, 6/14/2016, 9/2/2016, 11/28/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017	2	11/7/2017, 3/9/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/13/2020, 10/7/2020, 4/5/2021, 10/11/2021, 4/11/2022, 10/5/2022, 4/3/2023, 10/3/2023, 4/2/2024, 10/1/2024, 4/1/2025, 10/2/2025
MW-19	8	3/22/2016, 6/14/2016, 9/2/2016, 11/28/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017	2	11/7/2017, 3/9/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/13/2020, 10/7/2020, 4/5/2021, 10/11/2021, 4/11/2022, 10/5/2022, 4/3/2023, 10/3/2023, 4/2/2024, 10/1/2024, 4/1/2025, 10/2/2025
Downgradient Monitoring Wells						
MW-2	8	3/22/2016, 6/14/2016, 11/29/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017, 11/7/2017	1	3/9/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/14/2020, 10/7/2020, 4/5/2021, 10/12/2021, 4/11/2022, 10/5/2022, 4/4/2023, 10/4/2023, 4/2/2024, 10/1/2024, 4/3/2025, 10/2/2025
MW-5	8	3/23/2016, 6/14/2016, 11/29/2016, 5/2/2017, 6/5/2018, 10/10/2018, 4/16/2019, 10/1/2019	0	N/A ^[4]	13	10/1/2019, 4/14/2020, 10/8/2020, 4/5/2021, 10/12/2021, 4/11/2022, 10/5/2022, 4/4/2023, 10/4/2023, 4/3/2024, 10/3/2024, 4/3/2025, 10/3/2025
MW-6	8	3/22/2016, 6/14/2016, 11/28/2016, 5/2/2017, 3/9/2018, 6/5/2018, 10/9/2018, 4/15/2019	0	N/A ^[4]	13	10/1/2019, 4/14/2020, 10/7/2020, 4/5/2021, 10/12/2021, 4/11/2022, 10/5/2022, 4/4/2023, 10/4/2023, 4/2/2024, 10/1/2024, 4/3/2025, 10/3/2025
MW-8	8	3/23/2016, 6/14/2016, 11/29/2016, 5/2/2017, 6/5/2018, 10/10/2018, 4/15/2019, 10/1/2019	0	N/A ^[4]	13	10/1/2019, 4/14/2020, 10/8/2020, 4/5/2021, 10/12/2021, 4/11/2022, 10/5/2022, 4/4/2023, 10/4/2023, 4/3/2024, 10/3/2024, 4/3/2025, 10/3/2025
MW-13	8	3/22/2016, 6/14/2016, 9/2/2016, 11/28/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017	2	11/7/2017, 3/9/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/14/2020, 10/7/2020, 4/5/2021, 10/11/2021, 4/11/2022, 10/5/2022, 4/3/2023, 10/4/2023, 4/2/2024, 10/1/2024, 4/3/2025, 10/2/2025
MW-15	8	3/22/2016, 6/14/2016, 9/2/2016, 11/28/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017	2	11/7/2017, 3/9/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/14/2020, 10/7/2020, 4/5/2021, 10/12/2021, 4/11/2022, 10/5/2022, 4/4/2023, 10/4/2023, 4/2/2024, 10/1/2024, 4/3/2025, 10/3/2025
MW-17	8	3/22/2016, 6/14/2016, 9/2/2016, 11/29/2016, 2/17/2017, 5/2/2017, 6/19/2017, 7/31/2017	2	11/7/2017, 3/9/2018	16	6/5/2018, 10/9/2018, 4/15/2019, 10/1/2019, 4/14/2020, 10/8/2020, 4/5/2021, 10/12/2021, 4/11/2022, 10/5/2022, 4/4/2023, 10/4/2023, 4/3/2024, 10/3/2024, 4/3/2025, 10/3/2025

Notes:

[1] The March 2018 Detection Monitoring event was completed as an Alternate Source Evaluation (ASD) due to detected SSIs in November 2017.

[2] The June 2018 sampling event was completed for initiation of the Assessment Monitoring Program.

[3] The April 2019 sampling event was completed as part of the initiation of Assessment of Corrective Measures in accordance with 40 CFR 257.96(b).

[4] Monitoring wells MW-5, MW-6, and MW-8 were added to the network after the April 2019 sampling event to coordinate with the DWEE Title 132 Permit.

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Table 3 - Groundwater Elevations
Omaha Public Power District - NOS Ash Landfill

CCR Monitoring Network Wells																				
MW-2		MW-5		MW-6		MW-8		MW-9		MW-13		MW-15		MW-17		MW-18		MW-19		
TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation ^[1]		TOC Elevation ^[2]		
1001.41		1000.96		1002.65		1003.59		1026.47		1001.91		1005.39		1002.54		1036.70		1036.91		
Date	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation	Measured Depth to Water (ft)	GW Elevation	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)
3/22/2016	21.20	980.21	20.30	980.66	12.75	989.90	17.55	986.04	22.41	1004.06	17.41	984.50	10.90	994.49	17.18	985.36	34.75	1002.25	33.85	1003.25
6/14/2016	21.65	979.76	19.15	981.81	12.05	990.60	16.00	987.59	22.10	1004.37	17.40	984.51	10.40	994.99	16.10	986.44	33.92	1003.08	33.40	1003.70
9/2/2016	22.90	978.51	20.50	980.46	13.30	989.35	17.48	986.11	24.70	1001.77	22.50	979.41	10.90	994.49	17.50	985.04	35.50	1001.50	34.95	1002.15
11/28/2016	22.06	979.35	20.55	980.41	13.48	989.17	18.18	985.41	24.65	1001.82	18.20	983.71	11.30	994.09	17.51	985.03	35.35	1001.35	34.91	1002.00
2/17/2017	22.45	978.96	20.73	980.23	13.89	988.76	18.67	984.92	24.70	1001.77	18.80	983.11	11.65	993.74	18.25	984.29	35.95	1000.75	35.30	1001.61
5/2/2017	22.00	979.41	20.25	980.71	13.40	989.25	11.32	992.27	23.71	1002.76	18.41	983.50	10.45	994.94	17.12	985.42	34.80	1001.90	34.22	1002.69
6/19/2017	22.00	979.41	19.60	981.36	12.50	990.15	16.45	987.14	23.90	1002.57	18.30	983.61	10.60	994.79	16.55	985.99	34.70	1002.00	34.20	1002.71
7/31/2017	23.10	978.31	20.21	980.75	13.37	989.28	11.38	992.21	26.65	999.82	19.25	982.66	12.15	993.24	17.10	985.44	36.40	1000.30	35.85	1001.06
11/7/2017	22.95	978.46	23.45	977.51	12.20	990.45	15.80	987.79	21.30	1005.17	19.40	982.51	12.75	992.64	17.50	985.04	36.39	1000.31	35.86	1001.05
3/9/2018	23.33	978.08	21.25	979.71	13.10	989.55	17.17	986.42	26.35	1000.12	20.21	981.70	13.75	991.64	19.21	983.33	36.31	1000.39	37.06	999.85
4/23/2018	23.50	977.91	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	29.27	997.20	20.35	981.56	12.70	992.69	19.00	983.54	35.63	1001.07	35.15	1001.76
6/5/2018	22.43	978.98	19.47	981.49	14.17	988.48	18.27	985.32	26.52	999.95	18.90	983.01	12.12	993.27	17.10	985.44	35.52	1001.18	35.81	1001.10
10/9/2018	19.49	981.92	17.08	983.88	13.49	989.16	17.05	986.54	25.47	1001.00	15.93	985.98	10.71	994.68	14.71	987.83	33.94	1002.76	33.78	1003.13
4/15/2019	17.74	983.67	16.51	984.45	12.78	989.87	17.17	986.42	23.36	1003.11	14.16	987.75	10.67	994.72	14.73	987.81	32.68	1004.02	32.70	1004.21
10/1/2019	16.02	985.39	14.76	986.20	13.17	989.48	16.96	986.63	26.01	1000.46	12.94	988.97	10.76	994.63	13.74	988.80	33.52	1003.18	33.53	1003.38
4/14/2020	21.32	980.09	19.01	981.95	13.15	989.50	17.51	986.08	23.89	1002.58	17.38	984.53	11.29	994.10	16.50	986.04	33.74	1002.96	33.47	1003.44
10/1/2020	23.82	977.59	21.05	979.91	14.98	987.67	19.13	984.46	30.10	996.37	20.39	981.52	14.22	991.17	18.51	984.03	38.03	998.67	37.86	999.05
4/1/2021	23.21	978.20	21.09	979.87	14.07	988.58	17.23	986.36	26.65	999.82	20.58	981.33	10.83	994.56	18.58	983.96	36.00	1000.70	35.29	1001.62
10/11/2021	23.87	977.54	20.41	980.55	14.70	987.95	18.57	985.02	29.34	997.13	20.41	981.50	11.36	994.03	17.78	984.76	36.88	999.82	36.45	1000.46
4/7/2022	23.61	977.80	22.96	978.00	14.42	988.23	19.10	984.49	26.18	1000.29	21.69	980.22	12.18	993.21	19.72	982.82	36.63	1000.07	35.77	1001.14
10/1/2022	24.86	976.55	21.97	978.99	15.60	987.05	19.45	984.14	30.80	995.67	22.04	979.87	15.48	989.91	19.22	983.32	38.70	998.00	38.25	998.66
4/3/2023	24.56	976.85	23.27	977.69	15.44	987.21	19.42	984.17	28.37	998.10	22.54	979.37	13.22	992.17	20.13	982.41	37.97	998.73	37.63	999.28
10/2/2023	25.14	976.27	22.30	978.66	15.98	986.67	19.28	984.31	32.09	994.38	22.61	979.30	13.27	992.12	19.26	983.28	39.43	997.27	39.42	997.49
4/2/2024	24.78	976.63	22.60	978.36	15.68	986.97	19.31	984.28	29.80	996.67	23.23	978.68	13.44	991.95	20.54	982.00	38.08	998.62	35.79	1001.12
10/1/2024	23.96	977.45	21.15	979.81	15.42	987.23	18.89	984.70	31.77	994.70	22.38	979.53	NM	NM	18.83	983.71	38.07	998.63	37.96	998.95
4/1/2025	24.14	977.27	22.99	977.97	14.78	987.87	17.95	985.64	28.56	997.91	23.14	978.77	11.82	993.57	19.73	982.81	37.36	999.34	36.71	1000.20
10/2/2025	24.18	977.23	23.50	977.46	16.35	986.30	21.81	981.78	31.06	995.41	23.65	978.26	14.71	990.68	22.46	980.08	38.22	998.48	38.29	998.62

Table 3 - Groundwater Elevations
Omaha Public Power District - NOS Ash Landfill

Water Level Only Wells																					
MW-4		MW-7		MW-10		MW-11		MW-12		MW-19S		MW-20		MW-22		MW-23		MW-25S			
TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation			
1004.59		1001.85		1002.48		1002.99		1003.78		1036.21		993.47		1009.31		1000.81		1002.51			
Date	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	
3/22/2016	11.84	992.75	16.57	985.28	15.50	986.98	10.83	992.16	16.34	987.44	Installed 10/21/2019		8.17	985.30	N.M.	N.M.	N.M.	N.M.	Installed 10/18/2019		
6/14/2016	11.19	993.40	15.70	986.15	14.50	987.98	10.05	992.94	14.55	989.23				7.60	985.87	N.M.	N.M.	N.M.		N.M.	
9/2/2016	12.20	992.39	17.21	984.64	16.04	986.44	11.30	991.69	15.60	988.18				8.35	985.12	N.M.	N.M.	N.M.		N.M.	
11/28/2016	12.30	992.29	17.80	984.05	16.80	985.68	12.20	990.79	17.25	986.53				9.00	984.47	N.M.	N.M.	N.M.		N.M.	
2/17/2017	12.90	991.69	18.30	983.55	16.99	985.49	12.54	990.45	17.71	986.07				9.41	984.06	N.M.	N.M.	N.M.		N.M.	
5/2/2017	12.35	992.24	16.69	985.16	15.55	986.93	12.45	990.54	9.39	994.39				8.20	985.27	N.M.	N.M.	N.M.		N.M.	
6/19/2017	11.85	992.74	16.15	985.70	14.95	987.53	10.50	992.49	15.00	988.78				8.05	985.42	N.M.	N.M.	N.M.		N.M.	
7/31/2017	12.45	992.14	16.72	985.13	16.00	986.48	13.02	989.97	10.20	993.58				8.70	984.77	N.M.	N.M.	N.M.		N.M.	
11/7/2017	12.80	991.79	15.65	986.20	14.25	988.23	12.00	990.99	14.42	989.36				9.03	984.44	N.M.	N.M.	N.M.		N.M.	
3/9/2018	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	12.81	990.18	N.M.	N.M.					N.M.	N.M.	N.M.	N.M.		N.M.	
4/23/2018	N.M.	N.M.					N.M.	N.M.	N.M.	N.M.		N.M.									
6/5/2018	13.66	990.93	17.51	984.34	16.27	986.21	12.98	990.01	16.11	987.67				6.08	987.39	N.M.	N.M.	N.M.		N.M.	
10/9/2018	11.94	992.65	16.71	985.14	15.51	986.97	12.81	990.18	13.05	990.73				7.00	986.47	N.M.	N.M.	N.M.		N.M.	
4/15/2019	11.44	993.15	16.21	985.64	15.03	987.45	11.64	991.35	16.23	987.55				7.49	985.98	12.16	997.15	10.77		990.04	
10/1/2019	11.79	992.80	16.90	984.95	15.75	986.73	11.94	991.05	15.73	988.05				N.M.	N.M.	N.M.	N.M.	9.37		991.44	
4/14/2020	12.40	992.19	16.72	985.13	15.74	986.74	12.04	990.95	16.40	987.38	25.39	1010.82	8.20	985.27	12.92	996.39	11.87	988.94	24.29	978.22	
10/1/2020	14.41	990.18	19.27	982.58	18.10	984.38	13.94	989.05	17.59	986.19	34.93	1001.28	10.26	983.21	15.53	993.78	14.93	985.88	25.28	977.23	
4/1/2021	13.02	991.57	17.12	984.73	15.06	987.42	12.93	990.06	14.57	989.21	31.86	1004.35	8.28	985.19	14.73	994.58	14.32	986.49	24.91	977.60	
10/11/2021	13.27	991.32	18.55	983.30	17.50	984.98	14.06	988.93	17.46	986.32	32.48	1003.73	9.40	984.07	15.48	993.83	13.90	986.91	25.27	977.24	
4/7/2022	14.05	990.54	18.38	983.47	17.30	985.18	13.97	989.02	17.56	986.22	29.56	1006.65	9.83	983.64	16.27	993.04	14.91	985.90	25.50	977.01	
10/1/2022	15.66	988.93	19.46	982.39	18.20	984.28	14.21	988.78	17.73	986.05	36.88	999.33	10.38	983.09	17.46	991.85	15.78	985.03	26.12	976.39	
4/3/2023	15.44	989.15	19.02	982.83	17.87	984.61	N.D.	N.D.	17.61	986.17	34.95	1001.26	10.33	983.14	18.41	990.90	16.58	984.23	25.94	976.57	
10/2/2023	15.91	988.68	19.56	982.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	38.34	997.87	10.31	983.16	Abandoned		16.74	984.07	26.36	976.15	
4/2/2024	15.71	988.88	19.03	982.82	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	37.88	998.33	10.35	983.12			18.41	982.40	26.05	976.46	
10/1/2024	14.99	989.60	18.86	982.99	N.D.	N.D.	N.D.	N.D.	17.47	986.31	36.29	999.92	9.90	983.57			15.95	984.86	25.27	977.24	
4/1/2025	14.38	990.21	17.39	984.46	15.32	987.16	13.88	989.11	16.27	987.51	33.61	1002.60	9.10	984.37			16.80	984.01	25.56	976.95	
10/2/2025	16.14	988.45	19.74	982.11	18.05	984.43	N.D.	N.D.	17.64	986.14	36.00	1000.21	11.11	982.36			17.43	983.38	25.74	976.77	

Table 3 - Groundwater Elevations
Omaha Public Power District - NOS Ash Landfill

Water Level Only Wells										
MW-26S		MW-27		MW-28		MW-29		MW-30		
TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		
1011.54		1021.09		1043.74		1031.59		1029.75		
Date	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)	Measured Depth to Water (ft)	GW Elevation (AMSL)
3/22/2016										
6/14/2016										
9/2/2016										
11/28/2016										
2/17/2017										
5/2/2017										
6/19/2017										
7/31/2017	Installed 10/18/2019		Installed 2/6/2020		Installed 2/6/2020		Installed 2/4/2020		Installed 2/5/2020	
11/7/2017										
3/9/2018										
4/23/2018										
6/5/2018										
10/9/2018										
4/15/2019										
10/1/2019										
4/14/2020	18.35	993.19	28.72	992.37	43.95	999.79	35.58	996.01	33.65	996.10
10/1/2020	19.26	992.28	31.37	989.72	47.18	996.56	38.15	993.44	36.24	993.51
4/1/2021	18.04	993.50	31.03	990.06	46.72	997.02	39.42	992.17	37.08	992.67
10/11/2021	17.68	993.86	32.07	989.02	46.42	997.32	38.41	993.18	36.60	993.15
4/7/2022	19.17	992.37	31.96	989.13	47.69	996.05	39.72	991.87	37.48	992.27
10/1/2022	20.94	990.60	32.80	988.29	48.95	994.79	40.30	991.29	38.35	991.40
4/3/2023	20.79	990.75	32.67	988.42	50.24	993.50	42.32	989.27	39.85	989.90
10/2/2023	20.62	990.92								
4/2/2024	20.84	990.70								
10/1/2024	19.98	991.56	Abandoned		Abandoned		Abandoned		Abandoned	
4/1/2025	19.14	992.40								
10/2/2025	20.41	991.13								

Notes:

TOC: Top of PVC well casing

N.D. = not detected

N.M. = not measured

AMSL = above mean sea level

^[1] The casing of MW-18 was cut on November 28, 2016. Prior to this date, the top of casing was 1037.00.

^[2] The casing of MW-19 was cut on November 28, 2016. Prior to this date, the top of casing was 1037.10.

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Table 4 - Appendix III Constituents in Groundwater
 Omaha Public Power District - NOS Ash Landfill

	Constituent:	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS
	Reporting Unit:	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L
MW-2	3/22/2016	1.6	267	23.1	<0.5	6.85	1320	1920
	6/14/2016	1.52	278	25.7	<0.5	6.80	774	1560
	9/2/2016	1.22	197	24.9	<0.5	7.04	503	2890
	11/28/2016	1.31	262	24.4	0.318	7.49	650	1420
	2/17/2017	1.92	292	19.3	0.563	7.79	915	2120
	5/2/2017	1.79	300	22.9	1.94	7.27	889	1840
	6/19/2017	1.48	277	24.1	<0.5	7.09	631	2020
	7/31/2017	1.81	299	24.8	0.583	7.37	799	1850
	11/7/2017	1.59	263	21.2	0.529	7.29	907	2210
	3/9/2018	1.88	292	27.4	<0.5	6.73	745	1570
	6/5/2018	1.15	239	28.5	<0.5	7.02	618	1460
	10/9/2018	1.38	302	22.2	<0.5	6.96	808	1720
	4/15/2019	2.26	339	22.5	<0.5	7.07	753	1850
	10/1/2019	2.17	306	18.2	<0.5	6.89	841	1930
	4/14/2020	1.90	319	22.0	0.427J	6.59	816	1670
	10/7/2020	2.16	265	21.4	0.352J	6.81	807	1840
	4/5/2021	1.30	243	36.9	<0.275	6.73	553	1340
	10/12/2021	1.03	222	33.6	<0.275	6.44	467	940
	4/11/2022	1.44	284	28.7	0.232J	6.87	707	1490
	10/5/2022	0.863	226	32.9	<0.220	6.89	354	1230
	4/4/2023	1.09	249	35.0	0.539	6.55	476	1080
	10/4/2023	0.590	193	40.2	<0.375	6.75	302	1090
4/2/2024	0.82	219	39.6	<0.375	6.31	405	1190	
10/1/2024	1.19	333	22.4	<0.375	7.15	731	1720	
4/3/2025	1.43	268	28.3	0.384	6.82	560	1510	
10/2/2025	1.46	297	26.2	0.355	7.59	563	1490	
MW-5	3/23/2016	0.545	458	47.7	<0.5	NA	1230	3150
	6/14/2016	0.533	434	52.1	<0.5	NA	1160	2530
	11/29/2016	0.565	443	44.3	<0.5	NA	1340	3150
	5/2/2017	0.564	435	46.9	1.82	NA	1330	2910
	6/5/2018	0.580	413	44.2	<0.5	7.44	1230	2610
	10/10/2018	0.528	412	41.6	<0.5	7.03	1240	2410
	4/16/2019 ^[1]	NA	NA	NA	NA	7.34	1150	NA
	10/1/2019	0.614	428	40.9	<0.5	6.88	1160	2620
	4/14/2020	0.573	439	40.7	0.460J	6.70	1080	2120
	10/8/2020	0.664	424	39.7	<0.23	6.81	1200	2380
	4/5/2021	0.592	380	40.5	0.642	7.22	1100	2020
	10/12/2021	0.530	330	45.7	<0.275	6.61	993	1530
	4/11/2022	0.729	415	39.6	<0.220	7.00	1040	1790
	10/5/2022	0.580	391	34.2	0.516	7.07	1010	2160
	4/4/2023	0.541	329	42.0	0.428J	7.13	865	1420
	10/4/2023	0.504	335	37.6	<0.375	6.86	943	1870
	4/3/2024	0.647	413	44.4	<0.375	7.24	1300	2490
	10/3/2024	0.603	412	38.3	<0.375	7.07	1060	2010
4/3/2025	0.673	380	35.1	0.352	7.27	1210	2260	
10/3/2025	0.699	486	39.3	0.323	7.28	984	2290	

Table 4 - Appendix III Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent:	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS
	Reporting Unit:	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L
MW-6	3/23/2016	0.376	263	217	<0.5	NA	219	1200
	6/14/2016	0.383	261	230	<0.5	NA	226	1100
	11/28/2016	0.468	314	272	<0.5	NA	366	1730
	5/2/2017	0.461	279	224	1.32	NA	314	1340
	3/9/2018	<0.8	316	315	0.525	6.44	349	1240
	6/5/2018	0.589	339	287	<0.5	7.03	293	1690
	10/9/2018	0.415	250	181	0.52	7.03	179	988
	4/15/2019 ^[1]	NA	NA	NA	NA	6.83	213	NA
	10/1/2019	0.543	348	326	0.511	6.67	309	1400
	4/14/2020	0.517	347	349	0.487J	6.55	297	1380
	10/7/2020	0.557	319	409	0.373J	6.47	346	320
	4/5/2020	0.502	283	313	0.310J	6.65	275	1280
	10/12/2021	0.502	289	324	<0.275	6.32	277	1100
	4/11/2022	0.592	285	308	0.244J	6.65	241	1230
	10/5/2022	0.620	300	330	0.637	6.64	235	1360
	4/4/2023	0.623	322	375	0.524	6.52	288	1140
	10/4/2023	0.663	304	345	<0.375	6.77	278	1380
	4/2/2024	0.647	300	351	<0.375	6.16	279	1320
10/1/2024	0.654	294	326	<0.375	7.00	248	1360	
4/3/2025	0.671	271	311	0.420	6.95	225	1230	
10/3/2025	0.775	327	332	0.386	6.87	218	1330	
MW-8	3/23/2016	1.01	133	10.6	<0.5	NA	618	964
	6/14/2016	0.974	142	15.1	0.518	NA	608	934
	11/29/2016	1.04	143	9.38	<0.5	NA	589	956
	5/2/2017	1.04	121	10.5	1.7	NA	519	814
	6/5/2018	1.54	149	12.9	<0.5	8.24	519	908
	10/10/2018	1.52	132	10.8	<0.5	7.96	548	900
	4/15/2019 ^[1]	NA	NA	NA	NA	7.88	611	NA
	10/1/2019	2.18	159	9.03	<0.5	7.21	604	1010
	4/14/2020	2.22	162	10.9	0.577	7.60	565	948
	10/8/2020	2.24	139	10.8	<0.23	7.65	560	986
	4/5/2021	2.04	127	10.6	<0.275	7.77	528	814
	10/12/2021	2.20	137	10.8	<0.275	7.51	526	826
	4/11/2022	2.70	141	10.4	<0.220	7.54	561	918
	10/5/2022	2.30	140	10.8	0.266J	7.97	496	916
	4/4/2023	2.21	138	12.4	0.349J	7.69	609	860
	10/4/2023	2.71	155	12.8	<0.375	8.25	588	1050
	4/3/2024	2.76	165	14.6	<0.375	7.64	647	964
	10/3/2024	2.66	172	14.6	<0.375	8.03	633	978
4/3/2025	2.77	169	14.5	0.277	8.25	789	1060	
10/3/2025	2.62	186	14.7	0.212	8.32	574	1020	

Table 4 - Appendix III Constituents in Groundwater
 Omaha Public Power District - NOS Ash Landfill

Constituent:	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS	
Reporting Unit:	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L	
MW-9	3/22/2016	<0.2	147	121	1.35	6.83	23	708
	6/14/2016	<0.2	159	165	0.864	6.78	31.7	770
	9/2/2016	<0.2	122	146	<0.5	7.27	19.9	766
	11/28/2016	<0.2	166	177	<0.5	7.02	35.4	790
	2/17/2017	<0.2	116	120	0.585	7.47	26.2	640
	5/2/2017	<0.2	148	127	1.84	7.35	25.5	760
	19/6/2017	<0.2	150	149	0.52	6.99	22.0	888
	7/31/2017	<0.2	190	275	0.617	7.87	57.1	1180
	11/7/2017	<0.2	153	220	0.55	7.46	37.7	1090
	3/20/2018	<0.2	146	210	<0.5	6.68	46.1	844
	6/5/2018	<0.2	185	231	<0.5	7.00	57.5	1190
	10/9/2018	<0.2	159	194	0.592	6.74	45.5	872
	4/15/2019	<0.2	157	127	0.947	7.00	32.7	610
	10/1/2019	<0.2	140	164	<0.5	6.56	40.1	728
	4/13/2020	<0.1	165	160	0.562	6.58	36.4	732
	10/7/2020	0.101	145	217	0.410J	6.74	48.0	820
	4/5/2021	0.125	158	164	0.422J	6.46	30.6	724
	10/11/2021	<0.0580	137	135	<0.275	6.38	17.9	664
	4/11/2022	0.0960J	180	176	0.380J	6.84	47.5	820
	10/5/2022	0.160	158	157	0.274J	6.85	30.4	774
	4/3/2023	<0.0760	188	199	0.507	6.25	54.3	826
	10/3/2023	0.0993J	155	166	<0.375	6.45	31.6	768
	4/2/2024	0.113	209	207	<0.375	6.14	34	796
10/1/2024	0.116	155	144	0.399J	7.22	13.4	706	
4/3/2025	0.183	146	104	0.470	6.75	9.38	622	
10/2/2025	0.101	163	118	0.419	6.99	16.2	698	
MW-13	3/22/2016	2.05	127	7.97	0.796	6.89	486	1050
	6/14/2016	1.97	138	6.7	<0.5	6.70	500	1030
	9/2/2016	2.02	116	8.06	0.652	7.03	458	1170
	11/28/2016	2.21	155	11.3	2.55	7.25	583	1140
	2/17/2017	2.02	153	6.35	<0.5	7.44	603	1320
	5/2/2017	1.8	156	7.52	1.05	7.30	650	1450
	6/19/2017	2.09	179	7.83	<0.5	7.07	590	1400
	7/31/2017	2.26	133	6.3	0.587	7.20	512	1150
	11/7/2017	1.71	129	6.81	0.67	6.79	581	1080
	3/9/2018	1.98	152	7.35	0.53	7.03	663	1340
	6/5/2018	1.78	151	7.93	<0.5	8.31	654	1490
	10/9/2018	1.77	161	7.05	<0.5	6.96	644	1190
	4/15/2019	2.73	215	10.5	1.05	7.13	808	1420
	10/1/2019	2.46	206	8.24	0.544	6.92	673	1440
	4/14/2020	2.22	213	9.24	0.817	6.58	794	1410
	10/7/2020	2.19	188	8.82	0.391J	6.89	821	1640
	4/5/2021	1.70	144	7.98	0.496J	6.69	790	1330
	10/11/2021	1.62	169	8.47	<0.275	6.26	888	980
	4/11/2022	1.89	171	7.52	0.340J	6.76	893	1460
	10/5/2022	1.50	157	8.09	<0.220	6.69	840	1460
	4/3/2023	1.71	230	9.17	0.62	6.29	1100	1730
	10/4/2023	1.73	182	8.16	<0.375	6.57	880	1610
	4/2/2024	2.16	263	9.99	0.387J	6.21	1080	1630
10/1/2024	1.4	146	8.65	<0.375	7.34	740	1330	
4/3/2025	1.57	174	9.74	0.542	7.03	1040	1440	
10/2/2025	1.33	128	9.53	0.543	7.50	567	1170	

Table 4 - Appendix III Constituents in Groundwater
 Omaha Public Power District - NOS Ash Landfill

Constituent:	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS	
Reporting Unit:	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L	
MW-15	3/22/2016	3.11	311	24.3	<0.5	7.09	262	1510
	6/14/2016	5.39	340	13	<0.5	6.80	934	1640
	9/2/2016	3.36	220	3.52	0.278	6.97	625	1460
	11/28/2016	2.87	285	28.2	3.48	7.32	886	1500
	2/17/2017	2.81	266	16.8	<0.5	7.65	863	1370
	2/5/2017	2.80	263	11.2	0.878	7.02	861	1280
	6/19/2017	2.57	248	10.0	<0.5	7.05	643	1320
	7/31/2017	3.01	247	11.4	<0.5	7.02	641	1140
	7/11/2017	4.13	293	11.6	<0.5	7.10	900	1520
	3/9/2018	4.10	283	13.4	<0.5	7.24	819	1330
	6/5/2018	3.26	265	16.6	<0.5	7.42	745	1640
	10/9/2018	2.48	230	11.5	<0.5	7.10	656	1130
	4/15/2019	4.65	256	8.07	<0.5	7.09	634	1070
	10/1/2019	5.13	306	6.6	<0.5	6.61	633	1220
	4/14/2020	3.60	239	7.81	<0.23	7.68	514	928
	10/7/2020	3.44	199	9.51	<0.23	7.14	495	978
	4/5/2021	3.36	224	6.19	<0.275	7.09	586	974
	10/12/2021	1.94	190	7.32	<0.275	6.54	500	876
	4/11/2022	3.09	226	7.91	<0.220	7.07	589	962
	10/5/2022	2.82	229	7.17	<0.220	7.08	468	1010
	4/4/2023	2.57	189	12.20	<0.220	7.60	576	942
	10/4/2023	3.41	222	13.4	<0.375	7.50	564	1030
	4/2/2024	2.8	169	12.6	<0.375	6.74	420	820
10/1/2024	3.46	211	9.37	<0.375	7.74	519	952	
4/3/2025	2.59	190	11.1	<0.0490	7.10	409	924	
10/3/2025	3.14	224	10.4	<0.0490	7.50	515	968	
MW-16	3/22/2016	0.367	180	64.7	1.84	6.86	345	948
	6/14/2016	0.409	180	65.5	<0.5	6.67	340	968
	9/2/2016	0.333	143	57.3	<0.5	7.18	277	1160
	11/28/2016	0.312	184	60.7	<0.5	7.11	357	1040
	2/17/2017	0.433	181	59.2	1.37	7.51	374	1410
	5/2/2017	0.320	184	60.7	1.85	7.26	381	1030
	6/19/2017	0.371	194	59.3	<0.5	6.97	326	1460
	7/31/2017	0.423	200	57.9	0.53	7.12	352	1200
<i>Abandoned on August 4, 2017</i>								

Table 4 - Appendix III Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent:	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS
	Reporting Unit:	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L
MW-17	3/23/2016	0.668	392	51.3	1.36	6.60	1010	3150
	6/14/2016	0.706	376	50	<0.5	6.59	990	2360
	2/09/2016	0.637	320	43.0	<0.5	6.98	807	2660
	11/29/2016	0.644	390	49.7	<0.5	6.76	1080	2640
	2/17/2017	0.700	380	62.6	2.91	7.31	1010	2250
	5/2/2017	0.649	364	45.3	1.66	7.47	1090	3040
	6/19/2017	0.679	373	42.3	<0.5	6.93	944	2640
	7/31/2017	0.753	365	44.4	<0.5	7.05	913	2300
	11/7/2017	0.660	323	46.2	<0.5	7.14	952	2590
	3/9/2018	0.745	357	46.8	1.29	6.31	907	2010
	6/5/2018	0.745	363	43.6	<0.5	6.95	918	1990
	10/10/2018	0.615	328	41.9	<0.5	6.39	872	1980
	4/15/2019	0.762	297	38.7	0.573	6.53	834	1900
	10/1/2019	0.783	342	32.7	<0.5	6.06	724	1890
	4/14/2020	0.757	323	30.2	0.274J	6.31	671	1650
	10/8/2020	0.709	269	31.1	<0.23	6.39	684	1600
	4/5/2021	0.695	274	30.1	<0.275	6.70	677	1500
	10/12/2021	0.580	287	33.0	<0.275	6.21	708	1210
	4/11/2022	0.715	321	37.7	<0.220	6.67	807	1630
	10/5/2022	0.629	333	36.2	0.640	6.49	787	1870
	4/4/2023	0.562	325	40.4	0.545	6.59	829	1580
	10/4/2023	0.720	356	41.5	<0.375	6.51	865	2200
	4/3/2024	0.732	343	45.3	<0.375	6.41	877	1870
10/3/2024	0.733	391	43.4	<0.375	6.65	897	1910	
4/3/2025	0.693	320	43.1	0.295	6.74	723	1990	
10/3/2025	0.716	414	46.7	0.260	6.74	846	2040	
MW-18	3/22/2016	<0.2	115	<5	<0.5	6.86	24.8	504
	6/14/2016	<0.2	96.1	<5	<0.5	7.18	5	468
	9/2/2016	<0.2	73.4	<5	<0.5	7.20	<5	460
	11/28/2016	<0.2	97.6	<5	<0.5	7.47	<5	628
	2/17/2017	<0.2	94.8	<5	0.508	7.70	<5	474
	5/2/2017	<0.2	98.9	<5	1.32	7.27	<5	542
	6/19/2017	<0.2	98.4	<5	<0.5	7.20	<5	514
	7/31/2017	<0.2	98.8	<5	0.632	7.63	<5	468
	7/11/2017	<0.2	87.5	<5	0.704	7.22	<5	518
	3/9/2018	<0.2	97.3	<5	0.530	6.46	<5	438
	6/5/2018	<0.2	106	<5	0.528	6.91	<5	438
	10/9/2018	<0.2	94.2	<5	0.817	6.64	<5	398
	4/15/2019	<0.2	74.6	<5	0.518	6.51	<5	416
	10/1/2019	<0.2	97.00	<5	<0.5	6.11	<5	384
	4/13/2020	<0.1	111	3.55J	0.559	6.43	<3.55	414
	10/7/2020	0.0811J	72.6	6.48	0.320J	6.75	<3.55	316
	4/5/2021	0.123	98.3	3.63J	0.540	6.24	<2.45	384
	10/11/2021	<0.0580	96.2	3.76J	<0.275	6.52	<2.45	348
	4/11/2022	0.0833J	102	2.74J	0.412J	6.89	<2.00	448
	10/5/2022	0.0884J	87.4	4.86J	<0.220	6.88	<2.00	378
	4/3/2023	<0.0760	92.9	5.26	0.534	6.15	<2.00	368
	10/3/2023	<0.0760	92.5	3.70J	<0.375	6.17	<2.10	402
	4/2/2024	0.0920J	96.3	3.16J	<0.375	6.01	<2.10	416
10/1/2024	0.0828J	95	4.44J	0.493J	6.84	<2.10	416	
4/1/2025	0.148	91.4	2.85	0.464	6.01	6.80	434	
10/2/2025	0.0947J	106	2.90	0.354	6.29	12.2	422	

Table 4 - Appendix III Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

Constituent:	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS	
Reporting Unit:	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L	
MW-19	3/22/2016	<0.2	103	6.5	<0.5	6.85	29.5	494
	6/14/2016	<0.2	110	7.2	<0.5	6.80	29.9	508
	9/2/2016	<0.2	82.8	<5	<0.5	7.12	21.5	492
	11/28/2016	<0.2	110	6.02	<0.5	7.29	20.7	484
	2/17/2017	<0.2	90.5	3.55	0.418	7.49	15.7	484
	5/2/2017	<0.2	107	3.7	0.804	7.39	10.6	566
	6/19/2017	<0.2	103	<5	<0.5	7.05	10.2	518
	7/31/2017	<0.2	105	<5	0.693	7.53	8.35	480
	11/7/2017	<0.2	93.0	<5	<0.5	6.98	6.91	410
	3/9/2018	<0.2	113	<5	<0.5	6.53	8.89	426
	6/5/2018	<0.2	100	<5	0.524	6.91	5.53	440
	10/9/2018	<0.2	106	11.9	<0.5	6.49	16.5	460
	4/15/2019	<0.2	101	<5	0.905	6.73	<5	444
	10/1/2019	<0.2	113	<5	0.511	6.05	<5	438
	4/13/2020	0.113J	123	3.83J	0.701	6.49	<3.55	432
	10/7/2020	0.107	109	23.3	0.469J	6.79	33.5	482
	4/5/2021	0.119	101	3.44J	0.517	6.30	<2.45	402
	10/11/2021	0.0629J	104	3.68J	<0.275	6.46	<2.45	356
	4/11/2022	0.0935J	113	<2.25	0.390J	6.83	<2.00	376
	10/5/2022	0.110	115	22.7	<0.220	6.91	35.6	494
	4/3/2023	<0.0760	111	3.48J	0.509	6.00	<2.00	398
	10/3/2023	0.0931J	113	23.7	<0.375	6.27	43.2	502
	4/2/2024	0.0951J	103	2.39J	<0.375	5.94	<2.10	392
	10/1/2024	0.101	119	17.3	<0.375	6.93	37.6	482
	4/1/2025	0.149	98.8	2.27	0.448	5.92	7.46	422
	10/2/2025	0.103	121	6.99	0.391	6.87	17.6	412

Notes:

mg/L = milligrams per liter

S.U. = Standard Units

NA = Analyte Not Analyzed/Measured

< = for the period of March 2016 through October 2019, the symbol indicates analyte not detected above the Reporting Limit, which is the value shown following the "<" symbol. Starting in January 2020, the symbol indicates analyte not detected above the Method Detection Limit, which is the value shown following the "<" symbol.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CFR Part 257).

J = Value is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Concentrations in **gray** text indicate a value that is below the laboratory's reporting limit and method detection limit.

Table 5 - Appendix IV Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium (Ra 226 + Ra 228)	Fluoride*	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-2	3/22/2016	<0.001	0.245	0.115	<0.001	<0.0005	<0.005	0.000514	0.664	<0.5	0.000601	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/14/2016	<0.001	0.234	0.113	<0.001	<0.0005	<0.005	0.000566	0.488	<0.5	0.00211	<0.05	<0.0002	<0.002	<0.005	<0.001
	9/2/2016	<0.001	0.22	0.104	<0.001	<0.0005	<0.005	0.000619	0.300	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	11/28/2016	<0.001	0.204	0.0952	<0.001	<0.0005	<0.005	0.000559	0.914	0.318	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	2/17/2017	<0.001	0.234	0.126	<0.001	<0.0005	<0.005	0.000656	0.679	0.563	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	5/2/2017	<0.001	0.231	0.118	<0.001	<0.0005	<0.005	0.000833	0.123	1.94	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/19/2017	<0.001	0.212	0.101	<0.001	<0.0005	<0.005	0.000725	0.469	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	7/31/2017	<0.001	0.217	0.117	<0.001	<0.0005	<0.005	0.000953	0.549	0.583	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	07/11/2017	NA	0.137	0.0923	NA	<0.0005	<0.005	NA	NA	0.529	<0.0005	NA	<0.0002	NA	<0.005	NA
	3/9/2018	<0.001	0.219	0.113	<0.001	<0.0005	<0.005	0.000620	1.050	<0.5	<0.0005	0.0415	<0.0002	<0.002	<0.005	<0.001
	6/5/2018	<0.001	0.225	0.0896	<0.001	<0.0005	<0.005	0.000997	0.422	<0.5	0.000586	0.0330	<0.0002	<0.002	<0.005	<0.001
	10/9/2018	<0.001	0.247	0.112	NA	<0.0005	<0.005	0.00135	0.901	<0.5	<0.0005	0.0423	<0.0002	<0.002	<0.005	NA
	4/15/2019	<0.001	0.234	0.140	<0.001	<0.0005	<0.005	0.00156	1.010	<0.5	<0.0005	0.0444	<0.0002	<0.002	<0.005	<0.001
	10/1/2019	<0.001	0.141	0.141	<0.001	<0.0001	<0.005	0.000828	0.620	<0.5	<0.0005	0.0424	<0.0002	<0.002	<0.005	<0.001
	4/14/2020	<0.00058	0.241	0.0997	<0.00027	<0.000039	<0.0011	0.00113	0.455	0.427J	0.000437J	0.0398	<0.0001	<0.0011	<0.001	<0.00026
	10/7/2020	<0.00051	0.224	0.100	<0.00027	<0.000049	<0.00110	0.000535	0.846	0.352J	0.000455J	0.0392	<0.0001	0.00112J	<0.001	<0.00026
	4/5/2021	<0.00110	0.213	0.100	<0.00027	<0.000051	<0.00110	0.000472J	0.493	<0.275	0.000515	0.0435	<0.000150	<0.00130	<0.00096	<0.00026
	10/12/2021	<0.00110	0.191	0.0880	<0.00027	<0.000051	<0.00110	0.000437J	0.856	<0.275	<0.000210	0.0404	<0.000150	<0.00130	<0.00096	<0.00026
	4/11/2022	<0.000690	0.237	0.116	<0.000270	<0.0000550	<0.00110	0.000635	0.167U	0.232J	0.000304J	0.0513	<0.000110	0.00128J	<0.000960	<0.000260
	10/5/2022	<0.000690	0.163	0.105	<0.000270	<0.0000550	<0.00110	0.000379J	1.67	<0.220	<0.000240	0.0433	<0.000110	0.00123J	<0.000960	<0.000260
	4/4/2023	<0.00100	0.215	0.111	0.000356J	0.000132J	<0.00110	0.000626	0.405U	0.539	0.000358J	0.0426	<0.000140	0.00194J	0.00225J	0.00101
	10/4/2023	<0.00100	0.237	0.104	<0.000330	<0.000100	<0.00110	0.000350J	1.47	<0.375	<0.000240	0.0440	<0.000140	0.00188J	<0.00140	0.00278
	4/2/2024	<0.00100	0.240	0.115	<0.000330	<0.000100	<0.00110	0.000306J	1.50	<0.375	<0.000240	0.0432	<0.000140	0.00104J	<0.00140	<0.000260
	10/1/2024	<0.00100	0.177	0.132	<0.000330	<0.000100	<0.00120	0.000932	1.24	<0.375	<0.000260	0.0511	<0.000110	<0.00130	<0.00140	0.00105
	4/3/2025	<0.00100	0.206	0.127	<0.000330	<0.000100	<0.00180	0.000531	0.508U	0.384	0.000394J	0.0434	<0.000110	<0.00130	<0.00140	<0.000570
10/2/2025	<0.00100	0.306	0.160	<0.000330	<0.000100	<0.00180	0.000414J	0.898	0.355	<0.000330	0.0444	<0.000110	0.00150J	<0.00140	<0.000570	
MW-5	3/23/2016	<0.001	0.0432	0.0437	<0.001	<0.0005	<0.005	<0.0005	0.391U	<0.5	<0.0005	0.0799	<0.0002	<0.002	<0.005	<0.001
	6/14/2016	<0.001	0.0389	0.0701	<0.001	<0.0005	<0.005	0.000509	0.653	<0.5	<0.0005	0.0866	<0.0002	<0.002	<0.005	<0.001
	11/29/2016	<0.001	0.0564	0.0491	<0.001	<0.0005	<0.005	<0.0005	0.637	<0.5	<0.0005	0.0894	<0.0002	<0.002	<0.005	<0.001
	5/2/2017	<0.001	0.0544	0.0488	<0.001	<0.0005	<0.005	<0.0005	0.0966U	1.82	<0.0005	0.0819	<0.0002	<0.002	<0.005	<0.001
	6/5/2018	<0.001	0.0486	0.0447	<0.001	<0.0005	<0.005	<0.0005	NA	<0.5	0.00262	0.07	<0.0002	<0.002	<0.005	<0.001
	10/10/2018	<0.001	0.0549	0.0402	NA	<0.0005	<0.005	<0.0005	0.305	<0.5	0.000627	0.0797	<0.0002	<0.002	<0.005	NA
	4/16/2019	NA	0.0545	0.0625	NA	<0.0005	<0.005	NA	NA	NA	<0.0005	NA	NA	NA	<0.005	NA
	10/1/2019	<0.001	0.0557	0.0467	<0.001	<0.0001	<0.005	<0.0005	0.373U	<0.5	<0.0005	0.0869	<0.0002	<0.002	<0.005	<0.001
	4/14/2020	<0.00058	0.0568	0.0669	<0.00027	<0.000039	<0.0011	0.000388J	0.0513U	0.460J	0.000542	0.0718	<0.0001	<0.0011	<0.001	<0.00026
	10/8/2020	<0.00051	0.0681	0.0477	<0.00027	<0.000049	<0.0011	0.000350J	0.722	<0.23	<0.00011	0.0848	<0.0001	0.00110J	<0.001	<0.00026
	4/5/2021	<0.0011	0.0614	0.0458	<0.00027	0.000054J	<0.00110	0.000350J	0.387U	0.642	<0.00021	0.0818	<0.000150	0.00157J	<0.00096	<0.00026
	10/12/2021	0.00174J	0.0625	0.0430	0.000737J	0.000861	<0.00110	0.00125	0.187U	<0.275	0.00187	0.0690	<0.000150	0.00367	0.00419J	0.00313
	4/11/2022	<0.00276	0.0701	0.0479	<0.00108	<0.000220	<0.00440	<0.000760	0.130U	<0.220	0.00109J	0.0967	<0.000110	0.00532J	<0.00384	<0.00114J
	10/5/2022	<0.000690	0.0637	0.0483	<0.000270	<0.0000550	<0.00110	0.000450J	0.573	0.516	<0.000240	0.0794	<0.000110	0.00189J	<0.000960	<0.000260
	4/4/2023	<0.00100	0.0648	0.0427	<0.000330	0.000125J	<0.00110	0.000493J	1.30	0.428J	0.000702	0.0701	<0.000140	0.00294	0.00261J	0.00116
	10/4/2023	<0.00100	0.0573	0.0546	<0.000330	0.000161J	<0.00110	0.000446J	1.59	<0.375	<0.000240	0.0694	<0.000140	0.00221	0.00171J	0.00417
	4/3/2024	<0.00100	0.0371	0.0463	<0.000330	<0.000100	<0.00110	0.00105	1.25	<0.375	<0.000240	0.0813	<0.000140	0.00324	<0.00140	0.000412J
	10/3/2024	<0.00100	0.0414	0.0517	<0.000330	<0.000100	<0.00120	0.00104	0.559	<0.375	<0.000260	0.0781	<0.000110	0.00222	<0.00140	0.000650J
	4/3/2025	<0.00100	0.0332	0.0421	<0.000330	<0.000100	<0.00180	0.000774	0.961	0.352	0.000452J	0.0701	<0.000110	0.00219	<0.00140	<0.000570
	10/3/2025	<0.00100	0.0448	0.0445	<0.000330	<0.000100	<0.00180	0.000636	0.310U	0.323	0.000407J	0.0795	<0.000110	0.00261	<0.00140	<0.000570

Table 5 - Appendix IV Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium (Ra 226 + Ra 228)	Fluoride*	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-6	3/22/2016	<0.001	0.0365	0.183	<0.001	0.00213	<0.005	0.00592	1.16	<0.5	0.00596	<0.05	<0.0002	0.0435	<0.005	<0.001
	6/14/2016	<0.001	0.0324	0.225	<0.001	<0.0005	<0.005	0.00527	0.825	<0.5	0.00269	<0.05	<0.0002	0.0507	<0.005	<0.001
	11/28/2016	<0.001	0.0133	0.166	<0.001	<0.0005	<0.005	0.0064	0.653	<0.5	0.00139	<0.05	<0.0002	0.0696	<0.005	<0.001
	5/2/2017	<0.001	0.0243	0.195	<0.001	<0.0005	<0.005	0.00562	0.819	1.32	0.00169	<0.05	<0.0002	0.061	<0.005	<0.001
	3/9/2018	<0.004	0.0194	0.165	<0.004	<0.002	<0.02	0.00654	0.673	0.525	<0.002	0.0407	<0.0002	0.0683	<0.02	<0.004
	6/5/2018	<0.001	0.0136	0.196	<0.001	0.000564	<0.005	0.007	NA	<0.5	0.00319	0.048	<0.0002	0.0702	<0.005	<0.001
	10/9/2018	<0.001	0.0393	0.295	NA	0.000834	<0.005	0.00661	1.05	0.52	0.0066	0.0407	<0.0002	0.0537	<0.005	NA
	4/15/2019	NA	0.0200	0.212	NA	<0.0005	<0.005	NA	NA	NA	0.00286	NA	NA	NA	<0.005	NA
	10/1/2019	<0.001	0.017	0.192	<0.001	0.000317	<0.005	0.00761	0.985	0.511	0.00287	0.051	<0.0002	0.0654	<0.005	<0.001
	4/14/2020	<0.00058	0.0198	0.197	<0.00027	0.000209	<0.0011	0.00673	0.462U	0.487J	0.00132	0.0432	<0.0001	0.0605	<0.001	<0.00026
	10/7/2020	<0.00051	0.0123	0.143	<0.00027	0.00025	<0.0011	0.0077	0.827	0.373J	0.00159	0.0461	<0.0001	0.0642	<0.001	<0.00026
	4/5/2021	<0.00110	0.0119	0.192	<0.00027	0.000198	<0.0011	0.00613	0.456U	0.310J	0.000707	0.0454	<0.000150	0.0550	<0.00096	<0.00026
	10/12/2021	<0.00110	0.0324	0.174	<0.00027	0.000181	<0.0011	0.00610	0.910	<0.275	0.000739	0.0424	<0.000150	0.0563	<0.00096	<0.00026
	4/11/2022	0.000693J	0.0211	0.167	<0.000270	0.000146	<0.00110	0.00581	1.73	0.244J	0.000836	0.0503	<0.000110	0.0598	<0.000960	<0.000260
	10/5/2022	<0.000690	0.0128	0.147	<0.000270	0.000152	<0.00110	0.00594	0.954	0.637	0.000533	0.0465	<0.000110	0.0633	<0.000960	<0.000260
	4/4/2023	<0.00100	0.00712	0.176	<0.000330	0.000288	<0.00110	0.00741	0.197U	0.524	0.00110	0.0478	<0.000140	0.0690	<0.00140	<0.000260
	10/4/2023	<0.00100	0.0115	0.136	<0.000330	0.000144J	<0.00110	0.00552	1.20	<0.375	<0.000240	0.0507	<0.000140	0.0603	<0.00140	0.000524J
	4/2/2024	<0.00100	0.0099	0.143	<0.000330	0.000118J	0.00334J	0.00636	1.20	<0.375	0.000599	0.0465	<0.000140	0.0610	<0.00140	<0.000260
	10/1/2024	<0.00100	0.0116	0.16	<0.000330	<0.000100	<0.00120	0.0053	0.613	<0.375	0.000265J	0.0506	<0.000110	0.0582	<0.00140	0.00154
	4/3/2025	<0.00100	0.0115	0.172	<0.000330	0.000349	<0.00180	0.00605	0.0387U	0.420	0.00134	0.0432	<0.000110	0.0616	<0.00140	<0.000570
10/3/2025	<0.00100	0.00529	0.154	<0.000330	0.000115J	<0.00180	0.00667	1.27	0.386	<0.000330	0.0492	<0.000110	0.0750	<0.00140	<0.000570	
MW-8	3/23/2016	<0.001	0.0163	0.088	<0.001	<0.0005	<0.005	<0.0005	0.353U	<0.5	0.00168	<0.05	<0.0002	0.107	<0.005	<0.001
	6/14/2016	<0.001	0.0162	0.100	<0.001	<0.0005	<0.005	<0.0005	0.380U	0.518	0.00169	<0.05	<0.0002	0.102	<0.005	<0.001
	11/29/2016	<0.001	0.0210	0.0954	<0.001	<0.0005	<0.005	0.000516	0.565	<0.5	0.0019	<0.05	<0.0002	0.0994	<0.005	<0.001
	5/2/2017	<0.001	0.0256	0.0813	<0.001	<0.0005	<0.005	<0.0005	0.647	1.7	0.00155	<0.05	<0.0002	0.101	<0.005	<0.001
	6/5/2018	<0.001	0.0189	0.0954	<0.001	<0.0005	<0.005	0.00281	NA	<0.5	0.00956	0.0115	<0.0002	0.0753	<0.005	<0.001
	10/10/2018	<0.001	0.0121	0.0892	NA	<0.0005	<0.005	0.000864	0.310	<0.5	0.002	0.0108	<0.0002	0.095	<0.005	NA
	4/16/2019	NA	0.0122	0.101	NA	<0.0005	<0.005	NA	NA	NA	0.000657	NA	NA	NA	<0.005	NA
	10/1/2019	<0.001	0.0106	0.101	<0.001	<0.0001	<0.005	0.000623	0.535U	<0.5	<0.0005	0.0149	<0.0002	0.111	<0.005	<0.001
	10/1/2019	<0.001	0.0106	0.101	<0.001	<0.0001	<0.005	0.000623	0.535U	<0.5	<0.0005	0.0149	<0.0002	0.111	<0.005	<0.001
	4/14/2020	<0.00058	0.0120	0.0955	<0.00027	<0.000039	<0.0011	0.000503	0.215U	0.577	0.000349J	0.0131	<0.0001	0.102	<0.001	<0.00026
	10/8/2020	<0.00051	0.00998	0.0851	<0.00027	0.0000660J	<0.0011	0.000543	0.216U	<0.23	0.000146J	0.0133	<0.0001	0.101	<0.001	<0.00026
	4/5/2021	<0.00110	0.0110	0.0846	<0.00027	0.0000780J	<0.0011	0.000487J	0.488	<0.275	0.000488J	0.0118	<0.00015	0.100	<0.00096	<0.00026
	10/12/2021	<0.00110	0.0104	0.0806	<0.00027	0.0000790J	<0.0011	0.000611	0.355	<0.275	0.000263J	0.0124	<0.00015	0.0944	<0.00096	<0.00026
	4/11/2022	<0.000690	0.0112	0.0819	<0.000270	<0.0000550	<0.00110	0.000549	0.506U	<0.220	0.000268J	0.0138	<0.000110	0.100	<0.000960	<0.000260
	10/5/2022	<0.000690	0.0111	0.0802	<0.000270	<0.0000550	<0.00110	0.000497J	0.516U	0.266J	<0.000240	0.0126	<0.000110	0.0982	<0.000960	<0.000260
	4/4/2023	<0.00100	0.0101	0.0776	<0.000330	<0.000100	<0.00110	0.000463J	0.247U	0.349J	<0.000240	0.0115	<0.000140	0.0833	<0.00140	<0.000260
	10/4/2023	<0.00100	0.0116	0.0791	<0.000330	<0.000100	<0.00110	0.000717	0.933	<0.375	<0.000240	0.0147	<0.000140	0.0903	<0.00140	<0.000260
	4/3/2024	<0.00100	0.0125	0.0893	<0.000330	<0.000100	<0.00110	0.000503	1.21	<0.375	0.000273J	0.0131	<0.000140	0.0923	<0.00140	<0.000260
	10/3/2024	<0.00100	0.0137	0.0975	<0.000330	<0.000100	<0.00120	0.000387J	0.852	<0.375	<0.000260	0.0147	<0.000110	0.0843	<0.00140	<0.000570
	4/3/2025	<0.00100	0.00989	0.0942	<0.000330	<0.000100	<0.00180	0.000454J	-0.0925U	0.277	0.000436J	0.0128	<0.000110	0.0769	<0.00140	<0.000570
10/3/2025	<0.00100	0.013	0.0972	<0.000330	<0.000100	<0.00180	0.000365J	0.265U	0.212	<0.000330	0.0129	<0.000110	0.0923	<0.00140	<0.000570	

Table 5 - Appendix IV Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium (Ra 226 + Ra 228)	Fluoride*	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-9	3/22/2016	<0.001	0.00454	0.442	<0.001	<0.0005	<0.005	0.00146	1.240	1.35	0.00366	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/14/2016	<0.001	0.00542	0.542	<0.001	<0.0005	<0.005	0.00148	0.822	0.864	0.00339	<0.05	<0.0002	<0.002	<0.005	<0.001
	9/2/2016	<0.001	0.00397	0.538	<0.001	<0.0005	<0.005	0.00103	2.010	<0.5	0.00289	<0.05	<0.0002	<0.002	<0.005	<0.001
	11/28/2016	<0.001	0.00572	0.536	<0.001	<0.0005	<0.005	0.00159	1.910	<0.5	0.00499	0.0533	<0.0002	<0.002	<0.005	<0.001
	2/17/2017	<0.001	0.0118	0.383	<0.001	<0.0005	0.00555	0.00265	0.623	0.585	0.00419	<0.05	<0.0002	<0.002	<0.005	<0.001
	5/2/2017	<0.001	0.00423	0.487	<0.001	<0.0005	<0.005	0.000974	1.160	1.84	0.00246	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/19/2017	<0.001	0.00345	0.481	<0.001	<0.0005	<0.005	0.00123	2.620	0.517	0.00322	<0.05	<0.0002	<0.002	<0.005	<0.001
	7/31/2017	<0.001	0.00662	0.624	<0.001	<0.0005	<0.005	0.00195	3.280	0.617	0.00474	0.0505	0.00022	<0.002	<0.005	<0.001
	07/11/2017	NA	0.00772	0.500	NA	<0.0005	<0.005	NA	NA	0.55	0.00461	NA	<0.0002	NA	<0.005	NA
	3/20/2018	<0.001	0.00777	0.526	<0.001	<0.0005	<0.005	0.000895	1.250	<0.5	0.00284	0.0428	<0.0002	<0.002	<0.005	<0.001
	6/5/2018	<0.001	0.00768	0.625	<0.001	<0.0005	<0.005	0.00293	2.450	<0.5	0.00885	0.0541	<0.0002	<0.002	<0.005	<0.001
	10/9/2018	<0.001	0.00571	0.469	NA	<0.0005	<0.005	0.00150	2.410	0.592	0.00407	0.0482	<0.0002	<0.002	<0.005	NA
	4/15/2019	<0.001	0.00677	0.576	<0.001	<0.0005	<0.005	0.00234	1.030	0.947	0.00559	0.0426	<0.0002	<0.002	<0.005	<0.001
	10/1/2019	<0.001	0.0054	0.468	<0.001	<0.001	<0.005	<0.0005	0.939	<0.5	0.00655	0.0473	<0.0002	<0.002	<0.005	<0.001
	4/13/2020	<0.00058	0.00626	0.605	<0.00027	0.000161	0.00154J	0.00166	1.16	0.562	0.00392	0.048	<0.0001	<0.0011	<0.001	<0.00026
	10/7/2020	<0.00051	0.00544	0.523	<0.00027	<0.000049	<0.0011	0.000199J	1.38	0.410J	0.000464J	0.0478	<0.0001	<0.0011	<0.001	<0.00026
	4/5/2021	<0.00110	0.0042	0.562	<0.00027	0.000168	0.00137J	0.00119	1.83	0.422J	0.00289	0.0504	<0.00015	<0.00130	<0.00096	<0.00026
	10/11/2021	<0.00110	0.00188J	0.477	<0.00027	0.0000740J	<0.00110	0.000556	1.37	<0.275	0.00122	0.0446	<0.00015	<0.00130	<0.00096	<0.00026
	4/11/2022	<0.000690	0.00782	0.642	<0.000270	0.000264	0.00345J	0.00346	1.80	0.380J	0.00665	0.0572	<0.000110	<0.00120	<0.000960	<0.000260
	10/5/2022	<0.000690	0.00307	0.556	<0.000270	<0.0000550	<0.00110	0.000579	1.26	0.274J	0.00136	0.0515	<0.000110	<0.00120	<0.000960	<0.000260
	4/3/2023	<0.00100	0.0143	0.726	0.000681J	0.000626	0.0208	0.00851	2.09U	0.507	0.0126	0.0547	<0.000140	0.00234	0.00208J	<0.000260
	10/3/2023	<0.00100	0.00285	0.550	<0.000330	0.000111J	0.00113J	0.00112	2.27	<0.375	0.00229	0.0536	<0.000140	0.00100J	<0.00140	<0.000260
	4/2/2024	<0.00100	0.00396	0.620	0.000471J	0.000286	0.00255J	0.00348	5.43	<0.375	0.0067	0.0601	<0.000140	<0.000910	<0.00140	<0.000260
	10/1/2024	<0.00100	0.00113J	0.596	<0.000330	<0.000100	<0.00120	0.000976	1.91	0.399J	0.00222	0.0519	<0.000110	<0.00130	<0.00140	0.00135
	4/3/2025	<0.00100	0.00486	0.575	0.000429J	0.000358	0.0127	0.00490	0.920U	0.470	0.00872	0.0498	<0.000110	0.00157J	<0.00140	<0.000570
10/2/2025	<0.00100	0.00184J	0.554	<0.000330	0.000170J	0.00212J	0.00175	2.72	0.419	0.00384	0.0501	<0.000110	<0.00130	<0.00140	<0.000570	
MW-13	3/22/2016	<0.001	0.0923	0.0652	<0.001	<0.0005	<0.005	<0.0005	0.575	0.796	<0.0005	<0.05	<0.0002	0.704	0.0205	<0.001
	6/14/2016	<0.001	0.217	0.0906	<0.001	<0.0005	<0.005	<0.0005	0.389	<0.5	<0.0005	<0.05	<0.0002	0.592	0.0141	<0.001
	9/2/2016	<0.001	0.142	0.0825	<0.001	<0.0005	<0.005	<0.0005	0.362	0.652	<0.0005	<0.05	<0.0002	0.945	0.0313	<0.001
	11/28/2016	<0.001	0.154	0.0959	<0.001	<0.0005	<0.005	<0.0005	0.27	2.55	<0.0005	<0.05	<0.0002	0.837	0.0248	<0.001
	2/17/2017	<0.001	0.112	0.0946	<0.001	<0.0005	<0.005	<0.0005	0.455	<0.5	<0.0005	<0.05	<0.0002	0.817	0.0345	<0.001
	5/2/2017	<0.001	0.133	0.0882	<0.001	<0.0005	<0.005	<0.0005	0.301	1.05	<0.0005	<0.05	<0.0002	0.951	0.0403	<0.001
	6/19/2017	<0.001	0.260	0.1180	<0.001	<0.0005	<0.005	<0.0005	0.3	<0.5	<0.0005	<0.05	<0.0002	0.881	0.0372	<0.001
	7/31/2017	<0.001	0.274	0.1120	<0.001	<0.0005	<0.005	<0.0005	0.298	0.587	<0.0005	<0.05	<0.0002	0.839	0.0233	<0.001
	07/11/2017	NA	0.0925	0.0682	NA	<0.0005	<0.005	NA	NA	0.67	<0.0005	NA	<0.0002	NA	0.00837	NA
	3/9/2018	<0.001	0.205	0.0982	<0.001	<0.0005	<0.005	0.000613	0.546	0.53	<0.0005	0.0212	<0.0002	1.22	0.0609	<0.001
	6/5/2018	<0.001	0.0544	0.0605	<0.001	<0.0005	<0.005	0.000718	0.374	<0.5	<0.0005	0.0205	<0.0002	1.28	0.0483	<0.001
	10/9/2018	<0.001	0.0782	0.0775	NA	<0.0005	<0.005	<0.0005	0.435	<0.5	<0.0005	0.0213	<0.0002	0.980	0.0298	NA
	4/15/2019	<0.001	0.108	0.1190	<0.001	<0.0005	<0.005	<0.0005	0.223U	1.05	<0.0005	0.0274	<0.0002	0.916	0.0150	<0.001
	10/1/2019	<0.001	0.104	0.1130	<0.001	0.000294	<0.005	<0.0005	0.770	0.544	<0.0005	0.0283	<0.0002	0.915	0.0204	<0.001
	4/14/2020	<0.00058	0.0901	0.0979	<0.00027	0.000226	<0.0011	0.000527	0.231U	0.817	<0.00027	0.0232	<0.0001	1.22	0.0357	<0.00026
	10/7/2020	<0.00051	0.167	0.1110	<0.00027	0.000464	<0.0011	0.000661	0.672	0.391J	<0.00011	0.0256	<0.0001	1.41	0.0408	<0.00026
	4/5/2021	<0.00110	0.0892	0.0848	<0.00027	0.000409	<0.0011	0.000567	0.506	0.496J	0.00137	0.024	<0.0015	1.52	0.0377	<0.00026
	10/11/2021	<0.00110	0.183	0.1160	<0.00027	0.000542	<0.0011	0.000790	1.67	<0.275	<0.000210	0.0234	<0.00015	1.29	0.0288	<0.00026
	4/11/2022	<0.000690	0.0813	0.0837	<0.000270	0.000254	<0.00110	0.000563	0.770	0.340J	<0.000240	0.0303	<0.000110	1.15	0.0133	<0.000260
	10/5/2022	<0.000690	0.0558	0.0768	<0.000270	0.000278	<0.00110	0.000755	0.588U	<0.220	<0.000240	0.0299	<0.000110	1.30	0.022	<0.000260
	4/3/2023	<0.00100	0.0209	0.0666	<0.000330	0.000173J	<0.00110	0.000523	-0.0737U	0.620	<0.000240	0.0408	<0.000140	0.695	0.00344J	<0.000260
	10/4/2023	<0.00100	0.0224	0.0541	<0.000330	0.000604	<0.00110	0.000456J	0.331U	<0.375	<0.000240	0.0390	<0.000140	1.08	0.00807	<0.000260
	4/2/2024	<0.00100	0.0188	0.0867	<0.000330	0.000129J	<0.00110	0.000419J	0.213	0.387J	0.000279J	0.0462	<0.000140	0.76	<0.00140	<0.000260
	10/1/2024	<0.00100	0.0439	0.0613	<0.000330	0.000489	<0.00120	0.000321J	0.695	<0.375	<0.000260	0.0311	<0.000110	1.07	0.00148J	0.000696J
	4/3/2025	<0.00100	0.0185	0.0478	<0.000330	0.000226	<0.00180	0.000281J	-0.234U	0.542	<0.000330	0.0310	<0.000110	0.673	0.00152J	<0.000570
10/2/2025	<0.00100	0.0331	0.0441	<0.000330	0.000332	<0.00180	0.000239J	0.525	0.543	<0.000330	0.0260	<0.000110	0.911	0.00238J	<0.000570	

Table 5 - Appendix IV Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium (Ra 226 + Ra 228)	Fluoride*	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-15	3/22/2016	0.00145	<0.002	0.0314	<0.001	<0.0005	0.0194	<0.0005	0.245	<0.5	<0.0005	<0.05	<0.0002	0.389	0.104	<0.001
	6/14/2016	0.00195	<0.002	0.0552	<0.001	<0.0005	0.0199	<0.0005	0.378	<0.5	0.000668	<0.05	<0.0002	0.254	0.115	<0.001
	9/2/2016	0.0015	<0.002	0.0660	<0.001	<0.0005	0.00548	<0.0005	0.0439	0.278	<0.0005	<0.05	<0.0002	0.319	0.0867	<0.001
	11/28/2016	0.00166	<0.002	0.0523	<0.001	<0.0005	<0.005	<0.0005	0.871	3.48	<0.0005	<0.05	<0.0002	0.402	0.0896	<0.001
	2/17/2017	0.00204	0.00241	0.0448	<0.001	<0.0005	<0.005	<0.0005	0.143	<0.5	<0.0005	<0.05	<0.0002	0.408	0.105	<0.001
	5/2/2017	0.0013	<0.002	0.0382	<0.001	<0.0005	0.0153	<0.0005	0.158	0.878	<0.0005	<0.05	<0.0002	0.316	0.0785	<0.001
	6/19/2017	0.00119	<0.002	0.0447	<0.001	<0.0005	0.00678	<0.0005	0.229	<0.5	<0.0005	<0.05	<0.0002	0.242	0.0638	<0.001
	7/31/2017	0.00131	<0.002	0.0467	<0.001	<0.0005	<0.005	<0.0005	0.455	<0.5	<0.0005	<0.05	<0.0002	0.264	0.0699	<0.001
	07/11/2017	NA	0.00240	0.0428	NA	<0.0005	0.0253	NA	NA	<0.5	<0.0005	NA	<0.0002	NA	0.0850	NA
	3/9/2018	0.00172	0.00337	0.0405	<0.001	<0.0005	<0.005	<0.0005	0.232	<0.5	<0.0005	0.0126	<0.0002	0.353	0.0653	<0.001
	6/5/2018	0.00157	<0.002	0.0424	<0.001	<0.0005	0.0267	<0.0005	0.282U	<0.5	<0.0005	<0.0100	<0.0002	0.353	0.0934	<0.001
	10/9/2018	0.00168	<0.002	0.0394	NA	<0.0005	0.0182	<0.0005	0.303U	<0.5	<0.0005	0.0139	<0.0002	0.290	0.0631	NA
	4/15/2019	0.00207	<0.002	0.0752	<0.001	<0.0005	0.0204	<0.0005	-0.0756U	<0.5	<0.0005	0.0111	<0.0002	0.208	0.0553	<0.001
	10/1/2019	0.00218	<0.002	0.0666	<0.001	0.000109	0.0284	<0.0005	0.419U	<0.5	<0.0005	0.0156	<0.0002	0.245	0.068	<0.001
	4/14/2020	0.00122	0.00159J	0.0701	<0.00027	0.0000540J	0.00495J	<0.000091	0.175U	<0.23	<0.00027	0.00782J	<0.0001	0.211	0.056	<0.00026
	10/7/2020	0.00155	0.0023	0.0612	<0.00027	0.0000710J	0.00178J	<0.000091	0.162U	<0.23	0.000224J	0.00986J	<0.0001	0.216	0.054	<0.00026
	4/5/2021	0.00126J	0.00149J	0.0644	<0.00027	0.0000860J	0.0363	<0.000091	-0.0719U	<0.275	<0.000260	0.0145	<0.00015	0.219	0.0568	<0.00026
	10/12/2021	0.00115J	0.00468	0.0553	<0.00027	0.000118	0.00686	<0.000910	0.383	<0.275	<0.000210	0.0130	<0.00015	0.235	0.0532	<0.00026
	4/11/2022	0.00183J	0.00154J	0.0490	<0.000270	0.0000650J	0.00789	<0.000190	0.189U	<0.220	<0.000240	0.00812J	<0.000110	0.274	0.0699	<0.000260
	10/5/2022	0.00153J	0.00227	0.0584	<0.000270	<0.0000550	0.00386J	<0.000190	0.716	<0.220	<0.000240	0.0118	<0.000110	0.197	0.0830	<0.000260
	4/4/2023	0.00152J	0.00187J	0.0493	<0.000330	<0.000100	0.00213J	<0.000170	-0.0933U	<0.220	<0.000240	0.00837J	<0.000140	0.247	0.0815	<0.000260
	10/4/2023	0.00159J	0.00229	0.0454	<0.000330	0.000155J	0.00167J	<0.000170	0.983	<0.375	<0.000240	0.0142	<0.000140	0.267	0.0623	<0.000260
	4/2/2024	0.00175J	0.00222	0.0747	<0.000330	<0.000100	0.00902	<0.000170	0.862	<0.375	<0.000240	0.00767J	<0.000140	0.200	0.0822	<0.000260
	10/1/2024	0.002	0.0023	0.0608	<0.000330	<0.000100	0.0121	<0.000170	0.364	<0.375	<0.000260	0.00993J	<0.000110	0.199	0.0537	<0.000570
	4/3/2025	0.00154J	0.00154J	0.0557	<0.000330	<0.000100	0.0442	<0.000170	0.614	<0.0490	<0.000330	0.00796J	<0.000110	0.182	0.0571	<0.000570
	10/3/2025	0.00219	0.00214	0.0445	<0.000330	0.000124J	0.0101	<0.000170	0.463U	<0.0490	<0.000330	0.00738J	<0.000110	0.254	0.0605	<0.000570
MW-16	3/22/2016	<0.001	<0.002	0.0665	<0.001	<0.0005	<0.005	0.00083	0.214	1.84	<0.0005	<0.05	<0.0002	0.018	<0.005	<0.001
	6/14/2016	<0.001	<0.002	0.0730	<0.001	<0.0005	<0.005	0.000634	0.392	<0.5	<0.0005	0.0514	<0.0002	0.0125	<0.005	<0.001
	9/2/2016	<0.001	0.00233	0.0837	<0.001	<0.0005	<0.005	0.00126	0.22	<0.5	<0.0005	<0.05	<0.0002	0.0262	<0.005	<0.001
	11/28/2016	<0.001	<0.002	0.0794	<0.001	<0.0005	<0.005	0.000925	0.436	<0.5	<0.0005	0.0501	<0.0002	0.0193	<0.005	<0.001
	2/17/2017	<0.001	<0.002	0.0857	<0.001	<0.0005	<0.005	0.00102	0.362	1.37	<0.0005	0.053	<0.0002	0.0164	<0.005	<0.001
	5/2/2017	<0.001	<0.002	0.0818	<0.001	<0.0005	<0.005	0.000952	0.354	1.85	<0.0005	0.0503	<0.0002	0.00651	<0.005	<0.001
	6/19/2017	<0.001	<0.002	0.0752	<0.001	<0.0005	<0.005	0.000769	0.463	<0.5	<0.0005	<0.05	<0.0002	0.0105	<0.005	<0.001
	7/31/2017	<0.001	<0.002	0.0722	<0.001	<0.0005	<0.005	0.000519	0.353	0.528	<0.0005	<0.05	<0.0002	0.0185	<0.005	<0.001

Abandoned on August 4, 2017

Table 5 - Appendix IV Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium (Ra 226 + Ra 228)	Fluoride*	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-17	3/23/2016	<0.001	0.00735	0.0276	<0.001	<0.0005	<0.005	0.00813	0.366	1.36	<0.0005	0.114	<0.0002	<0.002	<0.005	<0.001
	6/14/2016	<0.001	0.0360	0.0396	<0.001	<0.0005	<0.005	0.0127	0.469	<0.5	<0.0005	0.129	<0.0002	<0.002	<0.005	<0.001
	9/2/2016	<0.001	0.0152	0.0424	<0.001	<0.0005	<0.005	0.0134	0.651	<0.5	<0.0005	0.116	<0.0002	<0.002	<0.005	<0.001
	11/29/2016	<0.001	0.00691	0.0356	<0.001	<0.0005	<0.005	0.00829	0.479	<0.5	<0.0005	0.116	<0.0002	0.00219	<0.005	<0.001
	2/17/2017	<0.001	0.0219	0.0406	<0.001	<0.0005	<0.005	0.0112	NA	2.91	0.0071	0.115	<0.0002	0.00214	<0.005	<0.001
	5/2/2017	<0.001	0.0300	0.0411	<0.001	<0.0005	<0.005	0.0113	0.059	1.66	<0.0005	0.116	<0.0002	<0.002	<0.005	<0.001
	6/19/2017	<0.001	0.0163	0.0361	<0.001	<0.0005	<0.005	0.012	0.777	<0.5	<0.0005	0.114	<0.0002	<0.002	<0.005	<0.001
	7/31/2017	<0.001	0.0159	0.0373	<0.001	<0.0005	<0.005	0.0123	0.284	<0.5	<0.0005	0.109	<0.0002	<0.002	<0.005	<0.001
	07/11/2017	NA	0.00794	0.0305	NA	<0.0005	<0.005	NA	NA	<0.5	<0.0005	NA	<0.0002	NA	<0.005	NA
	3/9/2018	<0.001	0.0257	0.0351	<0.001	<0.0005	<0.005	0.0107	0.738	1.29	<0.0005	0.112	<0.0002	0.0032	<0.005	<0.001
	6/5/2018	<0.001	0.0224	0.0505	<0.001	<0.0005	<0.005	0.0134	0.960	<0.5	<0.0005	0.0990	<0.0002	0.00356	<0.005	<0.001
	10/10/2018	<0.001	0.0173	0.0346	NA	<0.0005	<0.005	0.0114	1.02	<0.5	<0.0005	0.104	<0.0002	<0.002	<0.005	NA
	4/15/2019	<0.001	0.0102	0.0369	<0.001	<0.0005	<0.005	0.0103	0.328U	0.573	<0.0005	0.0948	<0.0002	<0.002	<0.005	<0.001
	10/1/2019	<0.001	0.0117	0.0407	<0.001	<0.0001	<0.005	0.0123	1.12	<0.5	<0.0005	0.12	<0.0002	0.00212	<0.005	<0.001
	4/14/2020	<0.00058	0.0111	0.0330	<0.00027	<0.000039	<0.0011	0.0101	0.467	0.274J	<0.00027	0.0969	<0.0001	0.00264	<0.001	<0.00026
	10/8/2020	<0.00051	0.0206	0.0323	<0.00027	<0.000049	<0.0011	0.00898	0.702	<0.23	<0.00011	0.0948	<0.0001	<0.00440	<0.001	<0.00026
	4/5/2021	<0.00110	0.00927	0.0341	<0.00027	<0.000051	<0.0011	0.00915	0.654	<0.275	<0.00021	0.0974	<0.00015	0.00398	<0.00096	<0.00026
	10/12/2021	<0.00110	0.0166	0.0364	<0.00027	<0.000051	<0.0011	0.00983	0.605	<0.275	<0.00021	0.0902	<0.00015	0.00184J	<0.00096	<0.00026
	4/11/2022	<0.000690	0.0203	0.0377	<0.000270	<0.0000550	<0.00110	0.00975	0.554	<0.220	<0.000240	0.107	<0.000110	0.00355	<0.000960	<0.000260
	10/5/2022	<0.000690	0.0405	0.0413	<0.000270	<0.0000550	<0.00110	0.0108	0.884	0.640	<0.000240	0.103	<0.000110	0.00214	<0.000960	<0.000260
	4/4/2023	<0.00100	0.0806	0.0420	<0.000330	<0.000100	<0.00110	0.0104	0.178U	0.545	<0.000240	0.0972	<0.000140	0.00260	<0.00140	<0.000260
	10/4/2023	<0.00100	0.0257	0.0385	<0.000330	<0.000100	<0.00110	0.0119	1.28	<0.375	<0.000240	0.119	<0.000140	0.00472	<0.00140	<0.000260
	4/3/2024	<0.00100	0.0199	0.0385	<0.000330	<0.000100	<0.00110	0.0117	0.961	<0.375	<0.000240	0.111	<0.000140	0.00251	<0.00140	<0.000260
	10/3/2024	<0.00100	0.0234	0.043	<0.000330	<0.000100	<0.00120	0.0116	0.55	<0.375	<0.000260	0.117	<0.000110	0.00239	<0.00140	0.00166
	4/3/2025	<0.00100	0.0124	0.0353	<0.000330	<0.000100	<0.00180	0.00995	1.01	0.295	<0.000330	0.0955	<0.000110	0.00322	<0.00140	<0.000570
10/3/2025	0.00161J	0.0257	0.0459	<0.000330	<0.000100	<0.00180	0.00907	1.67	0.260	<0.000330	0.111	<0.000110	0.00382	<0.00140	<0.000570	
MW-18	3/22/2016	<0.001	0.00345	0.343	<0.001	<0.0005	<0.005	0.00152	2.7	<0.5	0.00479	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/14/2016	<0.001	<0.002	0.319	<0.001	<0.0005	<0.005	<0.0005	0.72	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	9/2/2016	<0.001	<0.002	0.307	<0.001	<0.0005	<0.005	<0.0005	0.814	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	11/28/2016	<0.001	<0.002	0.306	<0.001	<0.0005	<0.005	<0.0005	1.56	<0.5	0.000577	<0.05	<0.0002	<0.002	<0.005	<0.001
	2/17/2017	<0.001	<0.002	0.314	<0.001	<0.0005	<0.005	<0.0005	0.907	0.508	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	5/2/2017	<0.001	<0.002	0.329	<0.001	<0.0005	<0.005	<0.0005	NA	1.32	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/19/2017	<0.001	<0.002	0.304	<0.001	<0.0005	<0.005	<0.0005	0.465	<0.5	<0.0005	<0.05	0.000204	<0.002	<0.005	<0.001
	7/31/2017	<0.001	<0.002	0.309	<0.001	<0.0005	<0.005	<0.0005	0.899	0.632	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	07/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	0.704	NA	NA	NA	NA	NA	NA
	3/9/2018	<0.001	<0.002	0.303	<0.001	<0.0005	<0.005	<0.0005	1.090	0.530	0.00137	0.0282	<0.0002	<0.002	<0.005	<0.001
	6/5/2018	<0.001	0.00327	0.449	<0.001	0.000537	<0.005	0.00271	2.20	0.528	0.0114	0.0243	<0.0002	<0.002	<0.005	<0.001
	10/9/2018	<0.001	<0.002	0.293	NA	<0.0005	<0.005	<0.0005	1.21	0.817	0.000938	0.0254	NA	<0.002	<0.005	NA
	4/15/2019	<0.001	<0.002	0.272	<0.001	<0.0005	<0.005	<0.0005	0.765	0.518	<0.0005	0.0203	<0.0002	<0.002	<0.005	<0.001
	10/1/2019	<0.001	<0.002	0.321	<0.001	<0.0001	<0.005	<0.0005	0.666	<0.5	<0.0005	0.0263	<0.0002	<0.002	<0.005	<0.001
	4/13/2020	<0.00058	0.00165J	0.328	<0.00027	<0.000039	<0.0011	<0.000091	0.246U	0.559	0.000813	0.0262	<0.0001	<0.0011	<0.001	<0.00026
	10/7/2020	<0.00051	0.000972J	0.215	<0.00027	<0.000049	<0.0011	0.000092J	0.396U	0.320J	0.000219J	0.0203	<0.0001	<0.0011	<0.001	<0.00026
	4/5/2021	<0.00110	0.00126J	0.329	<0.000270	0.000241	<0.0011	0.000099J	0.776	0.540	0.000349J	0.0268	<0.00015	<0.0013	<0.00096	<0.00026
	10/11/2021	<0.00110	0.00175J	0.311	0.000603J	0.000550	0.00117J	0.000654	1.58	<0.275	0.00106	0.0269	<0.00015	<0.0013	<0.00096	<0.00026
	4/11/2022	<0.000690	0.00124J	0.317	<0.000270	<0.0000550	<0.00110	<0.000190	0.776	0.412J	0.000276J	0.0279	<0.000110	<0.00120	<0.000960	<0.000110
	10/5/2022	<0.000690	0.00125J	0.266	<0.000270	<0.0000550	<0.00110	<0.000190	1.47	<0.220	0.000323J	0.0231	<0.000110	<0.00120	<0.000960	<0.000260
	4/3/2023	<0.00100	0.00141J	0.287	<0.000330	<0.000100	<0.00110	0.000184J	0.963	0.534	0.000454J	0.0240	<0.000140	<0.000910	<0.00140	<0.000260
	10/3/2023	<0.00100	0.00143J	0.256	<0.000330	<0.000100	<0.00110	<0.000170	1.57	<0.375	0.000243J	0.0279	<0.000140	<0.000910	<0.00140	<0.000260
	4/2/2024	<0.00100	0.00139J	0.292	<0.000330	<0.000100	<0.00110	<0.000170	0.892	<0.375	0.000317J	0.0273	<0.000140	<0.000910	<0.00140	<0.000260
	10/1/2024	<0.00100	0.00137J	0.278	<0.000330	<0.000100	<0.00120	<0.000170	1.45	0.493J	0.000498J	0.0294	<0.000110	<0.00130	<0.00140	<0.000570
	4/1/2025	<0.00100	0.00130J	0.293	<0.000330	<0.000100	<0.00180	<0.000170	1.34	0.464	0.000560	0.0258	<0.000110	<0.00130	<0.00140	<0.000570
10/2/2025	<0.00100	0.00146J	0.285	<0.000330	<0.000100	<0.00180	<0.000170	1.04	0.354	0.000484J	0.0265	<0.000110	<0.00130	<0.00140	<0.000570	

Table 5 - Appendix IV Constituents in Groundwater
Omaha Public Power District - NOS Ash Landfill

	Constituent	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium (Ra 226 + Ra 228)	Fluoride*	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-19	3/22/2016	<0.001	<0.002	0.330	<0.001	<0.0005	<0.005	<0.0005	1.93	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/14/2016	<0.001	<0.002	0.324	<0.001	<0.0005	<0.005	<0.0005	0.386	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	9/2/2016	<0.001	<0.002	0.325	<0.001	<0.0005	<0.005	<0.0005	1.55	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	11/28/2016	<0.001	<0.002	0.317	<0.001	<0.0005	<0.005	<0.0005	1.14	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	2/17/2017	<0.001	<0.002	0.281	<0.001	<0.0005	<0.005	<0.0005	0.82	0.418	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	5/2/2017	<0.001	<0.002	0.328	<0.001	<0.0005	<0.005	<0.0005	NA	0.804	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	19/6/2017	<0.001	<0.002	0.297	<0.001	<0.0005	<0.005	<0.0005	0.744	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	31/7/2017	<0.001	<0.002	0.296	<0.001	<0.0005	<0.005	<0.0005	1	0.693	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	07/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA
	3/9/2018	<0.001	<0.002	0.323	<0.001	<0.0005	<0.005	<0.0005	0.691	<0.5	<0.0005	0.0334	<0.0002	<0.002	<0.005	<0.001
	6/5/2018	<0.001	<0.002	0.355	<0.001	<0.0005	<0.005	<0.0005	1.40	0.524	0.00121	0.0306	<0.0002	<0.002	<0.005	<0.001
	10/9/2018	<0.001	<0.002	0.334	NA	<0.0005	<0.005	<0.0005	0.364U	<0.5	<0.0005	0.0336	NA	<0.002	<0.005	NA
	4/15/2019	<0.001	<0.002	0.322	<0.001	<0.0005	<0.005	<0.0005	0.614	0.905	<0.0005	0.0333	<0.0002	<0.002	<0.005	<0.001
	10/1/2019	<0.001	<0.002	0.331	<0.001	<0.0001	<0.005	<0.0005	0.932	0.511	<0.0005	0.0386	<0.0002	<0.002	<0.005	<0.001
	4/13/2020	<0.00058	<0.00088	0.328	<0.00027	<0.000039	<0.0011	<0.000091	0.623	0.701	<0.00027	0.0359	<0.0001	<0.0011	<0.001	<0.00026
	10/7/2020	<0.00051	<0.00088	0.363	<0.00027	<0.000049	<0.0011	<0.000091	0.698U	0.469J	<0.00011	0.0363	<0.0001	<0.0011	<0.001	<0.00026
	4/5/2021	<0.00110	<0.00075	0.297	<0.00027	<0.000051	<0.0011	<0.000091	0.977	0.517	<0.00021	0.0343	<0.00015	<0.0013	<0.00096	<0.00026
	10/11/2021	<0.00110	<0.00075	0.292	<0.00027	<0.000051	<0.0011	<0.00019	1.58	<0.275	<0.00021	0.0355	<0.00015	<0.0013	<0.00096	<0.00026
	4/11/2022	<0.000690	<0.000750	0.305	<0.000270	<0.0000550	<0.00110	<0.000190	1.23	0.390J	<0.000240	0.0373	<0.000110	<0.00120	<0.000960	<0.000260
	10/5/2022	<0.000690	<0.000750	0.392	<0.000270	<0.0000550	<0.00110	<0.000190	1.64	<0.220	<0.000240	0.0355	<0.000110	<0.00120	<0.000960	<0.000260
	4/3/2023	<0.00100	<0.000530	0.307	<0.000330	<0.000100	<0.00110	<0.000170	0.799	0.509	<0.000240	0.0356	<0.000140	<0.000910	<0.00140	<0.000260
	10/3/2023	<0.00100	<0.000530	0.461	<0.000330	<0.000100	<0.00110	<0.000170	1.64	<0.375	<0.000240	0.0385	<0.000140	<0.000910	<0.00140	<0.000260
	4/2/2024	<0.00100	<0.000530	0.280	<0.000330	<0.000100	<0.00110	<0.000170	3.02	<0.375	<0.000240	0.0370	<0.000140	<0.000910	<0.00140	<0.000260
	10/1/2024	<0.00100	<0.000530	0.524	<0.000330	<0.000100	<0.00120	<0.000170	1.95	<0.375	<0.000260	0.0397	<0.000110	<0.00130	<0.00140	<0.000570
	4/1/2025	<0.00100	<0.000530	0.279	<0.000330	<0.000100	<0.00180	<0.000170	1.23	0.448	0.000418J	0.0337	<0.000110	<0.00130	<0.00140	<0.000570
10/2/2025	<0.00100	<0.000530	0.382	<0.000330	<0.000100	<0.00180	<0.000170	2.01	0.391	<0.000330	0.0346	<0.000110	<0.00130	<0.00140	<0.000570	

Notes:

mg/L = milligrams per liter

pCi/L = picoCuries per liter

NA = Analyte Not Analyzed/Measured

< = for the period of March 2016 through October 2019, the symbol indicates analyte not detected above the Reporting Limit, which is the value shown following the "<" symbol. Starting in January 2020, the symbol indicates analyte not detected above the Method Detection Limit, which is the value shown following the "<" symbol.

* Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CFR Part 257).

U = Result is less than the sample detection limit.

J = Value is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is an approximate value.

Concentrations in gray text indicate a value that is below the laboratory's reporting limit and method detection limit.

Table 6 - Background Threshold Values for Assessment Monitoring
 Omaha Public Power District - NOS Ash Landfill

Constituents	Units	Background Threshold Values (BTVs)
Appendix III		
Boron	mg/l	0.200
Calcium	mg/l	209
Chloride	mg/l	275
Fluoride ^[1]	mg/l	0.947
pH (LPL) ^[2]	SU	5.82
pH (UPL) ^[3]	SU	7.81
Sulfate	mg/l	57.5
TDS	mg/l	1,190
Appendix IV		
Antimony	mg/l	0.00200
Arsenic	mg/l	0.0143
Barium	mg/l	0.726
Beryllium	mg/l	0.00100
Cadmium	mg/l	0.000550
Chromium	mg/l	0.00555
Cobalt	mg/l	0.00490
Fluoride ^[1]	mg/l	0.947
Lead	mg/l	0.00885
Lithium	mg/l	0.0622
Mercury	mg/l	0.000200
Molybdenum	mg/l	0.00234
Radium 226 + 228	pCi/l	3.08
Selenium	mg/l	0.00500
Thallium	mg/l	0.00100

Notes:

^[1] Fluoride is listed in both Appendix III and Appendix IV of the CCR Final Rule (40 CFR Part 257).

^[2] Indicates the lower bound of the range is the lower prediction limit (LPL).

^[3] Indicates the upper bound is the upper prediction limit (UPL).

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Table 7 - Established Groundwater Protection Standards

Omaha Public Power District - NOS Ash Landfill

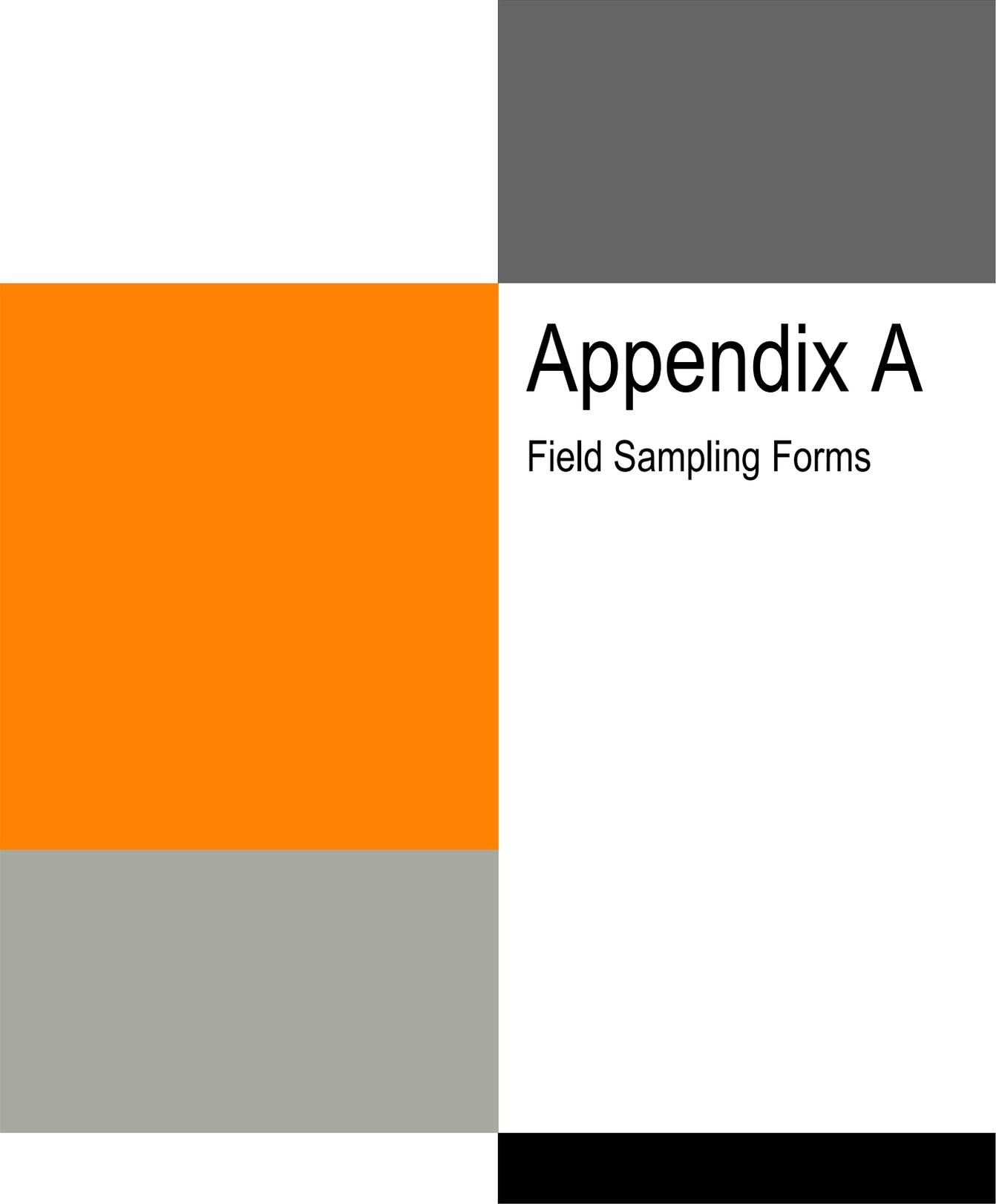
Constituents	Units	Established Groundwater Protection Standard (GWPS) ^[1]
Appendix IV		
Antimony	mg/l	0.006
Arsenic	mg/l	0.0143 ^[2]
Barium	mg/l	2.0
Beryllium	mg/l	0.004
Cadmium	mg/l	0.005
Chromium	mg/l	0.10
Cobalt	mg/l	0.006
Fluoride	mg/l	4.0
Lead	mg/l	0.015
Lithium	mg/l	0.0622 ^[2]
Mercury	mg/l	0.002
Molybdenum	mg/l	0.1
Radium 226 + 228	pCi/l	5
Selenium	mg/l	0.05
Thallium	mg/l	0.002

Notes:

^[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in §257.95(h)(2); unless otherwise specified.

^[2] GWPS is established as the upper prediction limit (UPL) when the background level is higher than the U.S. EPA MCL or the GWPS specified in §257.95(h)(2).

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Appendix A

Field Sampling Forms

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NORTH OMAHA STATION

Water Levels Prior to Purging (Feet Below TOC)

MW2	Date of Sampling	4/1/2025	Time of Sampling	11:54	Static Water Level	24.14
MW4	Date of Sampling	4/1/2025	Time of Sampling	12:14	Static Water Level	14.38
MW5	Date of Sampling	4/1/2025	Time of Sampling	12:39	Static Water Level	22.99
MW6	Date of Sampling	4/1/2025	Time of Sampling	12:17	Static Water Level	14.78
MW7	Date of Sampling	4/1/2025	Time of Sampling	12:25	Static Water Level	17.39
MW8	Date of Sampling	4/1/2025	Time of Sampling	12:28	Static Water Level	17.95
MW9	Date of Sampling	4/1/2025	Time of Sampling	11:34	Static Water Level	28.56
MW10	Date of Sampling	4/1/2025	Time of Sampling	12:24	Static Water Level	15.32
MW11	Date of Sampling	4/1/2025	Time of Sampling	12:19	Static Water Level	13.88
MW12	Date of Sampling	4/1/2025	Time of Sampling	12:30	Static Water Level	16.27
MW13	Date of Sampling	4/1/2025	Time of Sampling	11:51	Static Water Level	23.14
MW15	Date of Sampling	4/1/2025	Time of Sampling	12:13	Static Water Level	11.82
MW17	Date of Sampling	4/1/2025	Time of Sampling	12:34	Static Water Level	19.73
MW18	Date of Sampling	4/1/2025	Time of Sampling	11:20	Static Water Level	37.36
MW19	Date of Sampling	4/1/2025	Time of Sampling	11:26	Static Water Level	36.71
MW20	Date of Sampling	4/1/2025	Time of Sampling	12:46	Static Water Level	9.10
MW23	Date of Sampling	4/1/2025	Time of Sampling	11:45	Static Water Level	16.80

NOTES:

TOC = Top of Casing

NM = Not Measured, Inaccessible

Equipment Calibration Sheet

Date: 4/1/2025

Time: 14:38

Person Calibrating Instrument: Kyle K. Uhing

Instrument Type	Instrument Brand	Instrument Model	Instrument Serial Number
Multiparameter Water Meter	Horiba	U-5000/U-52	KE3AGWPR/NTKDC76Y

Parameter:	Reading	Units
pH 4	3.99	SU
Conductivity	4.49	$\mu\text{S}/\text{cm}$
Turbidity	0.0	NTU
DO	10.89	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

SU = Standard Units

Equipment Calibration Sheet

Date: 4/3/2025

Time: 7:47

Person Calibrating Instrument: Kyle K. Uhing

Instrument Type	Instrument Brand	Instrument Model	Instrument Serial Number
Multiparameter Water Meter	Horiba	U-5000/U-52	KE3AGWPR/NTKDC76Y

Parameter:	Reading	Units
pH 4	4.00	SU
Conductivity	4.17	$\mu\text{S}/\text{cm}$
Turbidity	0.0	NTU
DO	10.10	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

SU = Standard Units

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NORTH OMAHA STATION

Water Levels Prior to Purging (Feet Below TOC)

MW2	Date of Sampling	10/2/2025	Time of Sampling	10:05	Static Water Level	24.18
MW2D	Date of Sampling	10/2/2025	Time of Sampling	10:07	Static Water Level	31.15
MW4	Date of Sampling	10/2/2025	Time of Sampling	10:25	Static Water Level	16.14
MW4D	Date of Sampling	10/2/2025	Time of Sampling	10:20	Static Water Level	19.42
MW5	Date of Sampling	10/2/2025	Time of Sampling	11:02	Static Water Level	23.50
MW5D	Date of Sampling	10/2/2025	Time of Sampling	11:05	Static Water Level	27.17
MW6	Date of Sampling	10/2/2025	Time of Sampling	10:34	Static Water Level	16.35
MW6D	Date of Sampling	10/2/2025	Time of Sampling	10:37	Static Water Level	11.92
MW7	Date of Sampling	10/2/2025	Time of Sampling	10:43	Static Water Level	19.74
MW8	Date of Sampling	10/2/2025	Time of Sampling	10:46	Static Water Level	21.81
MW8D	Date of Sampling	10/2/2025	Time of Sampling	10:47	Static Water Level	21.82
MW9	Date of Sampling	10/2/2025	Time of Sampling	9:47	Static Water Level	31.06
MW10	Date of Sampling	10/2/2025	Time of Sampling	10:41	Static Water Level	18.05
MW11	Date of Sampling	10/2/2025	Time of Sampling	10:36	Static Water Level	Dry
MW12	Date of Sampling	10/2/2025	Time of Sampling	10:48	Static Water Level	17.64
MW13	Date of Sampling	10/2/2025	Time of Sampling	10:00	Static Water Level	23.65
MW15	Date of Sampling	10/2/2025	Time of Sampling	10:24	Static Water Level	14.71
MW17	Date of Sampling	10/2/2025	Time of Sampling	10:54	Static Water Level	22.46
MW17D	Date of Sampling	10/2/2025	Time of Sampling	10:55	Static Water Level	26.21
MW18	Date of Sampling	10/2/2025	Time of Sampling	9:35	Static Water Level	38.22
MW19	Date of Sampling	10/2/2025	Time of Sampling	9:40	Static Water Level	38.29
MW19S	Date of Sampling	10/2/2025	Time of Sampling	9:42	Static Water Level	36.00
MW20	Date of Sampling	10/2/2025	Time of Sampling	11:13	Static Water Level	11.11
MW23	Date of Sampling	10/2/2025	Time of Sampling	9:54	Static Water Level	17.43
MW23D	Date of Sampling	10/2/2025	Time of Sampling	9:56	Static Water Level	28.01
MW25S	Date of Sampling	10/2/2025	Time of Sampling	10:12	Static Water Level	25.74
MW25D	Date of Sampling	10/2/2025	Time of Sampling	10:10	Static Water Level	30.78
MW26S	Date of Sampling	10/2/2025	Time of Sampling	10:18	Static Water Level	20.41
MW26D	Date of Sampling	10/2/2025	Time of Sampling	10:16	Static Water Level	25.71

NOTES:

TOC = Top of Casing

NM = Not Measured, Inaccessible

Equipment Calibration Sheet

Date: 10/2/2025

Time: 12:05

Person Calibrating Instrument: Kyle K. Uhing

Instrument Type	Instrument Brand	Instrument Model	Instrument Serial Number
Multiparameter Water Meter	Horiba	U-5000/U-52	KE3AGWPR/NTKDC76Y

Parameter:	Reading	Units
pH 4	4.01	SU
Conductivity	4.51	$\mu\text{S/cm}$
Turbidity	0.0	NTU
DO	9.36	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

SU = Standard Units

Equipment Calibration Sheet

Date: 10/3/2025

Time: 7:49

Person Calibrating Instrument: Kyle K. Uhing

Instrument Type	Instrument Brand	Instrument Model	Instrument Serial Number
Multiparameter Water Meter	Horiba	U-5000/U-52	KE3AGWPR/NTKDC76Y

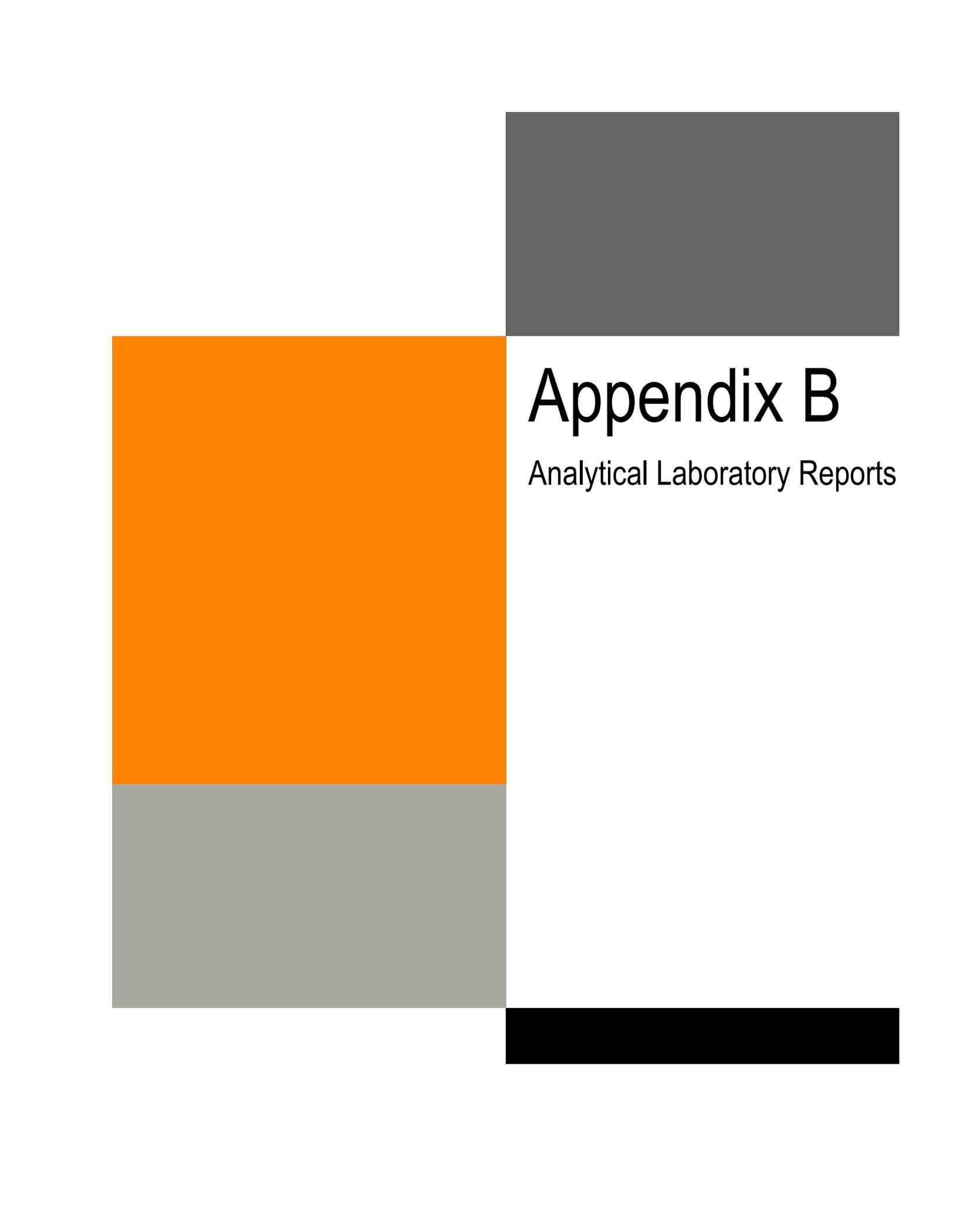
Parameter:	Reading	Units
pH 4	4.00	SU
Conductivity	4.53	$\mu\text{S}/\text{cm}$
Turbidity	0.0	NTU
DO	9.67	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

SU = Standard Units

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Appendix B

Analytical Laboratory Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Uhing
Omaha Public Power District
Attn: Accounts Payable, 4E/EP-5
444 South 16th Street Mall
Omaha, Nebraska 68102-2247

Generated 4/16/2025 3:20:49 PM Revision 1

JOB DESCRIPTION

North Omaha Station CCR
CCR and Landfill Parameters (Q2 and Q4)

JOB NUMBER

310-303449-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
4/16/2025 3:20:49 PM
Revision 1

Authorized for release by
Bob Michels, Project Manager I
Bob.Michels@et.eurofinsus.com
(319)277-2401



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Case Narrative

Client: Omaha Public Power District
Project: North Omaha Station CCR

Job ID: 310-303449-1

Job ID: 310-303449-1

Eurofins Cedar Falls

**Job Narrative
310-303449-1**

REVISION

The report being provided is a revision of the original report sent on 4/14/2025. The report (revision 1) is being revised due to Revised to remove results for iron.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/4/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.1°C, 1.3°C and 2.0°C.

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: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-303449-1	MW2	Ground Water	04/03/25 09:30	04/04/25 16:00
310-303449-2	MW5	Ground Water	04/03/25 17:42	04/04/25 16:00
310-303449-3	MW6	Ground Water	04/03/25 14:31	04/04/25 16:00
310-303449-4	MW8	Ground Water	04/03/25 15:52	04/04/25 16:00
310-303449-5	MW9	Ground Water	04/03/25 10:47	04/04/25 16:00
310-303449-6	MW13	Ground Water	04/03/25 12:20	04/04/25 16:00
310-303449-7	MW15	Ground Water	04/03/25 13:29	04/04/25 16:00
310-303449-8	MW17	Ground Water	04/03/25 16:42	04/04/25 16:00
310-303449-9	MW18	Ground Water	04/01/25 15:05	04/04/25 16:00
310-303449-10	MW19	Ground Water	04/01/25 17:03	04/04/25 16:00
310-303449-11	DUP-1	Ground Water	04/03/25 00:00	04/04/25 16:00

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Detection Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW2

Lab Sample ID: 310-303449-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.206		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.127		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	1.43		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	268		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000531		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000394	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0434		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.384		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	560		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1510		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	28.3		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW5

Lab Sample ID: 310-303449-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0332		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0421		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.673		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	380		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000774		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000452	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0701		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00219		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.352		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	1210		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	2260		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	35.1		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW6

Lab Sample ID: 310-303449-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0115		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.172		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.671		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000349		0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	271		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00605		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00134		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0432		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0616		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.420		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	225		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1230		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	311		20.0	14.0	mg/L	10		SM 4500 Cl- E	Total/NA

Client Sample ID: MW8

Lab Sample ID: 310-303449-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00989		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0942		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	2.77		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	169		0.500	0.190	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW8 (Continued)

Lab Sample ID: 310-303449-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000454	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000436	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0128		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0769		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.277		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	789		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1060		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	14.5		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW9

Lab Sample ID: 310-303449-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00486		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.575		0.00200	0.000660	mg/L	1		6020B	Total/NA
Beryllium	0.000429	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Boron	0.183		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000358		0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	146		0.500	0.190	mg/L	1		6020B	Total/NA
Chromium	0.0127		0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00490		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00872		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0498		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00157	J	0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.470		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	9.38		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	622		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	104		20.0	14.0	mg/L	10		SM 4500 Cl- E	Total/NA

Client Sample ID: MW13

Lab Sample ID: 310-303449-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0185		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0478		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	1.57		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000226		0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	174		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000281	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0310		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.673		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00152	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.542		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	1040		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1440		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	9.74		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW15

Lab Sample ID: 310-303449-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00154	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00154	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0557		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	2.59		0.100	0.0820	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW15 (Continued)

Lab Sample ID: 310-303449-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	190		0.500	0.190	mg/L	1		6020B	Total/NA
Chromium	0.0442		0.00500	0.00180	mg/L	1		6020B	Total/NA
Lithium	0.00796	J	0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.182		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.0571		0.00500	0.00140	mg/L	1		6020B	Total/NA
Sulfate	409		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	924		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	11.1		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW17

Lab Sample ID: 310-303449-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0124		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0353		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.693		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	320		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00995		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0955		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00322		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.295		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	723		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1990		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	43.1		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW18

Lab Sample ID: 310-303449-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00130	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.293		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.148		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	91.4		0.500	0.190	mg/L	1		6020B	Total/NA
Lead	0.000560		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0258		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.464		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	6.80		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	434		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.85		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW19

Lab Sample ID: 310-303449-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.279		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.149		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	98.8		0.500	0.190	mg/L	1		6020B	Total/NA
Lead	0.000418	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0337		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.448		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	7.46		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	422		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.27		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: DUP-1

Lab Sample ID: 310-303449-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.201		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.122		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	1.31		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	260		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000509		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0443		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.368		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	359		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1610		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	24.9		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW2
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:26	1
Arsenic	0.206		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:26	1
Barium	0.127		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:26	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 12:58	1
Boron	1.43		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 12:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:26	1
Calcium	268		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 12:58	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:26	1
Cobalt	0.000531		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:26	1
Lead	0.000394	J	0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:26	1
Lithium	0.0434		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 12:58	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 12:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:26	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.384		0.100	0.0490	mg/L			04/10/25 11:21	1
Sulfate (ASTM D516-16)	560		250	90.0	mg/L			04/11/25 09:11	50
Total Dissolved Solids (SM 2540C)	1510		50.0	36.0	mg/L			04/08/25 15:30	1
Chloride (SM 4500 Cl- E)	28.3		2.00	1.40	mg/L			04/07/25 13:32	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW5
 Date Collected: 04/03/25 17:42
 Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-2
 Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:29	1
Arsenic	0.0332		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:29	1
Barium	0.0421		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:29	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:01	1
Boron	0.673		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:01	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:29	1
Calcium	380		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:01	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:29	1
Cobalt	0.000774		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:29	1
Lead	0.000452	J	0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:29	1
Lithium	0.0701		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:01	1
Molybdenum	0.00219		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:01	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:29	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.352		0.100	0.0490	mg/L			04/10/25 11:31	1
Sulfate (ASTM D516-16)	1210		250	90.0	mg/L			04/11/25 09:12	50
Total Dissolved Solids (SM 2540C)	2260		50.0	36.0	mg/L			04/08/25 15:30	1
Chloride (SM 4500 Cl- E)	35.1		2.00	1.40	mg/L			04/07/25 13:32	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW6

Lab Sample ID: 310-303449-3

Date Collected: 04/03/25 14:31

Matrix: Ground Water

Date Received: 04/04/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:31	1
Arsenic	0.0115		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:31	1
Barium	0.172		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:31	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:10	1
Boron	0.671		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:10	1
Cadmium	0.000349		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:31	1
Calcium	271		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:10	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:31	1
Cobalt	0.00605		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:31	1
Lead	0.00134		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:31	1
Lithium	0.0432		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:10	1
Molybdenum	0.0616		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:10	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:31	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.420		0.100	0.0490	mg/L			04/10/25 11:34	1
Sulfate (ASTM D516-16)	225		100	36.0	mg/L			04/13/25 09:55	20
Total Dissolved Solids (SM 2540C)	1230		50.0	36.0	mg/L			04/08/25 15:30	1
Chloride (SM 4500 Cl- E)	311		20.0	14.0	mg/L			04/07/25 13:33	10

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW8

Lab Sample ID: 310-303449-4

Date Collected: 04/03/25 15:52

Matrix: Ground Water

Date Received: 04/04/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:44	1
Arsenic	0.00989		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:44	1
Barium	0.0942		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:44	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:15	1
Boron	2.77		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:15	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:44	1
Calcium	169		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:15	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:44	1
Cobalt	0.000454	J	0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:44	1
Lead	0.000436	J	0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:44	1
Lithium	0.0128		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:15	1
Molybdenum	0.0769		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:15	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:44	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.277		0.100	0.0490	mg/L			04/10/25 11:37	1
Sulfate (ASTM D516-16)	789		250	90.0	mg/L			04/13/25 09:56	50
Total Dissolved Solids (SM 2540C)	1060		50.0	36.0	mg/L			04/08/25 15:30	1
Chloride (SM 4500 Cl- E)	14.5		2.00	1.40	mg/L			04/07/25 13:33	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW9

Lab Sample ID: 310-303449-5

Date Collected: 04/03/25 10:47

Matrix: Ground Water

Date Received: 04/04/25 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:47	1
Arsenic	0.00486		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:47	1
Barium	0.575		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:47	1
Beryllium	0.000429	J	0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:17	1
Boron	0.183		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:17	1
Cadmium	0.000358		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:47	1
Calcium	146		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:17	1
Chromium	0.0127		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:47	1
Cobalt	0.00490		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:47	1
Lead	0.00872		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:47	1
Lithium	0.0498		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:17	1
Molybdenum	0.00157	J	0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:17	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:47	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.470		0.100	0.0490	mg/L			04/10/25 11:40	1
Sulfate (ASTM D516-16)	9.38		5.00	1.80	mg/L			04/13/25 09:56	1
Total Dissolved Solids (SM 2540C)	622		50.0	36.0	mg/L			04/08/25 15:30	1
Chloride (SM 4500 Cl- E)	104		20.0	14.0	mg/L			04/07/25 13:33	10

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW13
 Date Collected: 04/03/25 12:20
 Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-6
 Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:50	1
Arsenic	0.0185		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:50	1
Barium	0.0478		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:50	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:20	1
Boron	1.57		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:20	1
Cadmium	0.000226		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:50	1
Calcium	174		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:20	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:50	1
Cobalt	0.000281	J	0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:50	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:50	1
Lithium	0.0310		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:20	1
Molybdenum	0.673		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:20	1
Selenium	0.00152	J	0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:50	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.542		0.100	0.0490	mg/L			04/10/25 11:44	1
Sulfate (ASTM D516-16)	1040		250	90.0	mg/L			04/13/25 09:57	50
Total Dissolved Solids (SM 2540C)	1440		50.0	36.0	mg/L			04/08/25 15:30	1
Chloride (SM 4500 Cl- E)	9.74		2.00	1.40	mg/L			04/07/25 13:34	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW15
 Date Collected: 04/03/25 13:29
 Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-7
 Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00154	J	0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:52	1
Arsenic	0.00154	J	0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:52	1
Barium	0.0557		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:52	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:22	1
Boron	2.59		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:22	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:52	1
Calcium	190		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:22	1
Chromium	0.0442		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:52	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:52	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:52	1
Lithium	0.00796	J	0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:22	1
Molybdenum	0.182		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:22	1
Selenium	0.0571		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:52	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	<0.0490		0.100	0.0490	mg/L			04/10/25 11:47	1
Sulfate (ASTM D516-16)	409		250	90.0	mg/L			04/13/25 09:58	50
Total Dissolved Solids (SM 2540C)	924		50.0	36.0	mg/L			04/09/25 21:56	1
Chloride (SM 4500 Cl- E)	11.1		2.00	1.40	mg/L			04/09/25 15:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW17
Date Collected: 04/03/25 16:42
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:55	1
Arsenic	0.0124		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:55	1
Barium	0.0353		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:55	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:24	1
Boron	0.693		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:24	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:55	1
Calcium	320		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:24	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:55	1
Cobalt	0.00995		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:55	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:55	1
Lithium	0.0955		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:24	1
Molybdenum	0.00322		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:24	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:55	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.295		0.100	0.0490	mg/L			04/10/25 11:50	1
Sulfate (ASTM D516-16)	723		250	90.0	mg/L			04/13/25 09:59	50
Total Dissolved Solids (SM 2540C)	1990		50.0	36.0	mg/L			04/09/25 21:56	1
Chloride (SM 4500 Cl- E)	43.1		2.00	1.40	mg/L			04/09/25 15:43	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW18
 Date Collected: 04/01/25 15:05
 Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-9
 Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:57	1
Arsenic	0.00130	J	0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:57	1
Barium	0.293		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:57	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:27	1
Boron	0.148		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:27	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:57	1
Calcium	91.4		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:27	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:57	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:57	1
Lead	0.000560		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:57	1
Lithium	0.0258		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:27	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:27	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:57	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.464		0.100	0.0490	mg/L			04/10/25 11:53	1
Sulfate (ASTM D516-16)	6.80		5.00	1.80	mg/L			04/13/25 09:59	1
Total Dissolved Solids (SM 2540C)	434		50.0	36.0	mg/L			04/08/25 00:30	1
Chloride (SM 4500 Cl- E)	2.85		2.00	1.40	mg/L			04/09/25 15:44	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW19
 Date Collected: 04/01/25 17:03
 Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-10
 Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 20:59	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 20:59	1
Barium	0.279		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 20:59	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:29	1
Boron	0.149		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:29	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 20:59	1
Calcium	98.8		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:29	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 20:59	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 20:59	1
Lead	0.000418	J	0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 20:59	1
Lithium	0.0337		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:29	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:29	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 20:59	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 20:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.448		0.100	0.0490	mg/L			04/10/25 11:56	1
Sulfate (ASTM D516-16)	7.46		5.00	1.80	mg/L			04/13/25 10:00	1
Total Dissolved Solids (SM 2540C)	422		50.0	36.0	mg/L			04/08/25 00:30	1
Chloride (SM 4500 Cl- E)	2.27		2.00	1.40	mg/L			04/09/25 15:53	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: DUP-1
Date Collected: 04/03/25 00:00
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-11
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 21:02	1
Arsenic	0.201		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 21:02	1
Barium	0.122		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 21:02	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 13:31	1
Boron	1.31		0.100	0.0820	mg/L		04/09/25 09:00	04/10/25 13:31	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 21:02	1
Calcium	260		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 13:31	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 21:02	1
Cobalt	0.000509		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 21:02	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 21:02	1
Lithium	0.0443		0.0100	0.00290	mg/L		04/09/25 09:00	04/10/25 13:31	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/09/25 09:00	04/10/25 13:31	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 21:02	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 21:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.368		0.100	0.0490	mg/L			04/10/25 12:00	1
Sulfate (ASTM D516-16)	359		250	90.0	mg/L			04/13/25 10:00	50
Total Dissolved Solids (SM 2540C)	1610		50.0	36.0	mg/L			04/09/25 21:56	1
Chloride (SM 4500 Cl- E)	24.9		2.00	1.40	mg/L			04/09/25 15:55	1

Definitions/Glossary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-450994/1-A
Matrix: Water
Analysis Batch: 451166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/09/25 09:00	04/09/25 19:46	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/09/25 09:00	04/09/25 19:46	1
Barium	<0.000660		0.00200	0.000660	mg/L		04/09/25 09:00	04/09/25 19:46	1
Boron	<0.0820		0.100	0.0820	mg/L		04/09/25 09:00	04/09/25 19:46	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/09/25 09:00	04/09/25 19:46	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/09/25 09:00	04/09/25 19:46	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/09/25 09:00	04/09/25 19:46	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/09/25 09:00	04/09/25 19:46	1
Lithium	<0.00290		0.0100	0.00290	mg/L		04/09/25 09:00	04/09/25 19:46	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/09/25 09:00	04/09/25 19:46	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/09/25 09:00	04/09/25 19:46	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/09/25 19:46	1

Lab Sample ID: MB 310-450994/1-A
Matrix: Water
Analysis Batch: 451313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/09/25 09:00	04/10/25 12:27	1
Calcium	<0.190		0.500	0.190	mg/L		04/09/25 09:00	04/10/25 12:27	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/09/25 09:00	04/10/25 12:27	1

Lab Sample ID: LCS 310-450994/2-A
Matrix: Water
Analysis Batch: 451166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2092		mg/L		105	80 - 120
Arsenic	0.200	0.1947		mg/L		97	80 - 120
Barium	0.100	0.09782		mg/L		98	80 - 120
Boron	0.200	0.2206		mg/L		110	80 - 120
Cadmium	0.100	0.09552		mg/L		96	80 - 120
Chromium	0.100	0.09576		mg/L		96	80 - 120
Cobalt	0.100	0.1002		mg/L		100	80 - 120
Iron	0.200	0.1991		mg/L		100	80 - 120
Lead	0.200	0.1914		mg/L		96	80 - 120
Lithium	0.200	0.1852		mg/L		93	80 - 120
Molybdenum	0.200	0.1807		mg/L		90	80 - 120
Selenium	0.400	0.3643		mg/L		91	80 - 120
Thallium	0.100	0.08242		mg/L		82	80 - 120

Lab Sample ID: LCS 310-450994/2-A
Matrix: Water
Analysis Batch: 451313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.09447		mg/L		94	80 - 120
Calcium	2.00	1.776		mg/L		89	80 - 120
Thallium	0.100	0.08595		mg/L		86	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

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

Lab Sample ID: 310-303449-3 DU
Matrix: Ground Water
Analysis Batch: 451166

Client Sample ID: MW6
Prep Type: Total/NA
Prep Batch: 450994

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.0115		0.01119		mg/L		3	20
Barium	0.172		0.1651		mg/L		4	20
Cadmium	0.000349		0.0003520		mg/L		0.9	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.00605		0.005849		mg/L		3	20
Lead	0.00134		0.001313		mg/L		2	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20

Lab Sample ID: 310-303449-3 DU
Matrix: Ground Water
Analysis Batch: 451313

Client Sample ID: MW6
Prep Type: Total/NA
Prep Batch: 450994

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Boron	0.671		0.6664		mg/L		0.7	20
Calcium	271		264.7		mg/L		3	20
Lithium	0.0432		0.04282		mg/L		0.8	20
Molybdenum	0.0616		0.06065		mg/L		2	20
Thallium	<0.000570		<0.000570		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-451105/1-A
Matrix: Water
Analysis Batch: 451409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451105

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000110		0.000200	0.000110	mg/L		04/10/25 12:06	04/11/25 11:57	1

Lab Sample ID: LCS 310-451105/2-A
Matrix: Water
Analysis Batch: 451409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 310-303449-1 MS
Matrix: Ground Water
Analysis Batch: 451409

Client Sample ID: MW2
Prep Type: Total/NA
Prep Batch: 451105

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Mercury	<0.000110		0.00167	0.001641		mg/L		98	80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 310-303449-1 MSD
 Matrix: Ground Water
 Analysis Batch: 451409

Client Sample ID: MW2
 Prep Type: Total/NA
 Prep Batch: 451105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000110		0.00167	0.001641		mg/L		98	80 - 120	0	20

Method: 4500 F C-2011 - Fluoride (Ion-selective Electrode)

Lab Sample ID: MB 310-451248/33
 Matrix: Water
 Analysis Batch: 451248

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0490		0.100	0.0490	mg/L			04/10/25 12:32	1

Lab Sample ID: MB 310-451248/5
 Matrix: Water
 Analysis Batch: 451248

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0490		0.100	0.0490	mg/L			04/10/25 10:57	1

Lab Sample ID: LCS 310-451248/34
 Matrix: Water
 Analysis Batch: 451248

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	1.944		mg/L		97	90 - 110

Lab Sample ID: LCS 310-451248/6
 Matrix: Water
 Analysis Batch: 451248

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	1.961		mg/L		98	90 - 110

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-451375/16
 Matrix: Water
 Analysis Batch: 451375

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.80		5.00	1.80	mg/L			04/11/25 09:03	1

Lab Sample ID: LCS 310-451375/14
 Matrix: Water
 Analysis Batch: 451375

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.532		mg/L		95	85 - 115

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QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Method: D516-16 - Sulfate (Continued)

Lab Sample ID: MB 310-451435/16
Matrix: Water
Analysis Batch: 451435

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.80		5.00	1.80	mg/L			04/13/25 09:54	1

Lab Sample ID: LCS 310-451435/17
Matrix: Water
Analysis Batch: 451435

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.583		mg/L		96	85 - 115

Lab Sample ID: 310-303449-3 MS
Matrix: Ground Water
Analysis Batch: 451435

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	225		200	481.5		mg/L		128	70 - 130

Lab Sample ID: 310-303449-3 MSD
Matrix: Ground Water
Analysis Batch: 451435

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	225		200	460.7		mg/L		118	70 - 130	4	20

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

Lab Sample ID: MB 310-450904/1
Matrix: Water
Analysis Batch: 450904

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	<36.0		50.0	36.0	mg/L			04/08/25 00:30	1

Lab Sample ID: LCS 310-450904/2
Matrix: Water
Analysis Batch: 450904

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	1044		mg/L		104	88 - 110

Lab Sample ID: MB 310-451008/1
Matrix: Water
Analysis Batch: 451008

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	<36.0		50.0	36.0	mg/L			04/08/25 15:30	1

QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

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

Lab Sample ID: LCS 310-451008/2
Matrix: Water
Analysis Batch: 451008

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	980.0		mg/L		98	88 - 110

Lab Sample ID: MB 310-451144/1
Matrix: Water
Analysis Batch: 451144

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	<36.0		50.0	36.0	mg/L			04/09/25 21:56	1

Lab Sample ID: LCS 310-451144/2
Matrix: Water
Analysis Batch: 451144

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	980.0		mg/L		98	88 - 110

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-450879/16
Matrix: Water
Analysis Batch: 450879

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			04/07/25 13:10	1

Lab Sample ID: MB 310-450879/45
Matrix: Water
Analysis Batch: 450879

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			04/07/25 13:22	1

Lab Sample ID: LCS 310-450879/14
Matrix: Water
Analysis Batch: 450879

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	10.78		mg/L		108	90 - 110

Lab Sample ID: LCS 310-450879/46
Matrix: Water
Analysis Batch: 450879

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	10.71		mg/L		107	90 - 110

QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: MB 310-451138/16
Matrix: Water
Analysis Batch: 451138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			04/09/25 15:40	1

Lab Sample ID: MB 310-451138/45
Matrix: Water
Analysis Batch: 451138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			04/09/25 15:52	1

Lab Sample ID: LCS 310-451138/14
Matrix: Water
Analysis Batch: 451138

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	10.52		mg/L		105	90 - 110

Lab Sample ID: LCS 310-451138/81
Matrix: Water
Analysis Batch: 451138

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	10.94		mg/L		109	90 - 110

Lab Sample ID: 310-303449-10 MS
Matrix: Ground Water
Analysis Batch: 451138

Client Sample ID: MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.27		10.0	10.69		mg/L		84	73 - 110

Lab Sample ID: 310-303449-10 MSD
Matrix: Ground Water
Analysis Batch: 451138

Client Sample ID: MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.27		10.0	10.48		mg/L		82	73 - 110	2	14

QC Association Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Metals

Prep Batch: 450994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	3005A	
310-303449-2	MW5	Total/NA	Ground Water	3005A	
310-303449-3	MW6	Total/NA	Ground Water	3005A	
310-303449-4	MW8	Total/NA	Ground Water	3005A	
310-303449-5	MW9	Total/NA	Ground Water	3005A	
310-303449-6	MW13	Total/NA	Ground Water	3005A	
310-303449-7	MW15	Total/NA	Ground Water	3005A	
310-303449-8	MW17	Total/NA	Ground Water	3005A	
310-303449-9	MW18	Total/NA	Ground Water	3005A	
310-303449-10	MW19	Total/NA	Ground Water	3005A	
310-303449-11	DUP-1	Total/NA	Ground Water	3005A	
MB 310-450994/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-450994/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-303449-3 DU	MW6	Total/NA	Ground Water	3005A	

Prep Batch: 451105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	7470A	
310-303449-2	MW5	Total/NA	Ground Water	7470A	
310-303449-3	MW6	Total/NA	Ground Water	7470A	
310-303449-4	MW8	Total/NA	Ground Water	7470A	
310-303449-5	MW9	Total/NA	Ground Water	7470A	
310-303449-6	MW13	Total/NA	Ground Water	7470A	
310-303449-7	MW15	Total/NA	Ground Water	7470A	
310-303449-8	MW17	Total/NA	Ground Water	7470A	
310-303449-9	MW18	Total/NA	Ground Water	7470A	
310-303449-10	MW19	Total/NA	Ground Water	7470A	
310-303449-11	DUP-1	Total/NA	Ground Water	7470A	
MB 310-451105/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-451105/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-303449-1 MS	MW2	Total/NA	Ground Water	7470A	
310-303449-1 MSD	MW2	Total/NA	Ground Water	7470A	

Analysis Batch: 451166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	6020B	450994
310-303449-2	MW5	Total/NA	Ground Water	6020B	450994
310-303449-3	MW6	Total/NA	Ground Water	6020B	450994
310-303449-4	MW8	Total/NA	Ground Water	6020B	450994
310-303449-5	MW9	Total/NA	Ground Water	6020B	450994
310-303449-6	MW13	Total/NA	Ground Water	6020B	450994
310-303449-7	MW15	Total/NA	Ground Water	6020B	450994
310-303449-8	MW17	Total/NA	Ground Water	6020B	450994
310-303449-9	MW18	Total/NA	Ground Water	6020B	450994
310-303449-10	MW19	Total/NA	Ground Water	6020B	450994
310-303449-11	DUP-1	Total/NA	Ground Water	6020B	450994
MB 310-450994/1-A	Method Blank	Total/NA	Water	6020B	450994
LCS 310-450994/2-A	Lab Control Sample	Total/NA	Water	6020B	450994
310-303449-3 DU	MW6	Total/NA	Ground Water	6020B	450994

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QC Association Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Metals

Analysis Batch: 451313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	6020B	450994
310-303449-2	MW5	Total/NA	Ground Water	6020B	450994
310-303449-3	MW6	Total/NA	Ground Water	6020B	450994
310-303449-4	MW8	Total/NA	Ground Water	6020B	450994
310-303449-5	MW9	Total/NA	Ground Water	6020B	450994
310-303449-6	MW13	Total/NA	Ground Water	6020B	450994
310-303449-7	MW15	Total/NA	Ground Water	6020B	450994
310-303449-8	MW17	Total/NA	Ground Water	6020B	450994
310-303449-9	MW18	Total/NA	Ground Water	6020B	450994
310-303449-10	MW19	Total/NA	Ground Water	6020B	450994
310-303449-11	DUP-1	Total/NA	Ground Water	6020B	450994
MB 310-450994/1-A	Method Blank	Total/NA	Water	6020B	450994
LCS 310-450994/2-A	Lab Control Sample	Total/NA	Water	6020B	450994
310-303449-3 DU	MW6	Total/NA	Ground Water	6020B	450994

Analysis Batch: 451409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	7470A	451105
310-303449-2	MW5	Total/NA	Ground Water	7470A	451105
310-303449-3	MW6	Total/NA	Ground Water	7470A	451105
310-303449-4	MW8	Total/NA	Ground Water	7470A	451105
310-303449-5	MW9	Total/NA	Ground Water	7470A	451105
310-303449-6	MW13	Total/NA	Ground Water	7470A	451105
310-303449-7	MW15	Total/NA	Ground Water	7470A	451105
310-303449-8	MW17	Total/NA	Ground Water	7470A	451105
310-303449-9	MW18	Total/NA	Ground Water	7470A	451105
310-303449-10	MW19	Total/NA	Ground Water	7470A	451105
310-303449-11	DUP-1	Total/NA	Ground Water	7470A	451105
MB 310-451105/1-A	Method Blank	Total/NA	Water	7470A	451105
LCS 310-451105/2-A	Lab Control Sample	Total/NA	Water	7470A	451105
310-303449-1 MS	MW2	Total/NA	Ground Water	7470A	451105
310-303449-1 MSD	MW2	Total/NA	Ground Water	7470A	451105

General Chemistry

Analysis Batch: 450879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	SM 4500 CI- E	
310-303449-2	MW5	Total/NA	Ground Water	SM 4500 CI- E	
310-303449-3	MW6	Total/NA	Ground Water	SM 4500 CI- E	
310-303449-4	MW8	Total/NA	Ground Water	SM 4500 CI- E	
310-303449-5	MW9	Total/NA	Ground Water	SM 4500 CI- E	
310-303449-6	MW13	Total/NA	Ground Water	SM 4500 CI- E	
MB 310-450879/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
MB 310-450879/45	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 310-450879/14	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCS 310-450879/46	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 450904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-9	MW18	Total/NA	Ground Water	SM 2540C	

Eurofins Cedar Falls

QC Association Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

General Chemistry (Continued)

Analysis Batch: 450904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-10	MW19	Total/NA	Ground Water	SM 2540C	
MB 310-450904/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-450904/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 451008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	SM 2540C	
310-303449-2	MW5	Total/NA	Ground Water	SM 2540C	
310-303449-3	MW6	Total/NA	Ground Water	SM 2540C	
310-303449-4	MW8	Total/NA	Ground Water	SM 2540C	
310-303449-5	MW9	Total/NA	Ground Water	SM 2540C	
310-303449-6	MW13	Total/NA	Ground Water	SM 2540C	
MB 310-451008/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-451008/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 451138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-7	MW15	Total/NA	Ground Water	SM 4500 Cl- E	
310-303449-8	MW17	Total/NA	Ground Water	SM 4500 Cl- E	
310-303449-9	MW18	Total/NA	Ground Water	SM 4500 Cl- E	
310-303449-10	MW19	Total/NA	Ground Water	SM 4500 Cl- E	
310-303449-11	DUP-1	Total/NA	Ground Water	SM 4500 Cl- E	
MB 310-451138/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 310-451138/45	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-451138/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 310-451138/81	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
310-303449-10 MS	MW19	Total/NA	Ground Water	SM 4500 Cl- E	
310-303449-10 MSD	MW19	Total/NA	Ground Water	SM 4500 Cl- E	

Analysis Batch: 451144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-7	MW15	Total/NA	Ground Water	SM 2540C	
310-303449-8	MW17	Total/NA	Ground Water	SM 2540C	
310-303449-11	DUP-1	Total/NA	Ground Water	SM 2540C	
MB 310-451144/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-451144/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 451248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	4500 F C-2011	
310-303449-2	MW5	Total/NA	Ground Water	4500 F C-2011	
310-303449-3	MW6	Total/NA	Ground Water	4500 F C-2011	
310-303449-4	MW8	Total/NA	Ground Water	4500 F C-2011	
310-303449-5	MW9	Total/NA	Ground Water	4500 F C-2011	
310-303449-6	MW13	Total/NA	Ground Water	4500 F C-2011	
310-303449-7	MW15	Total/NA	Ground Water	4500 F C-2011	
310-303449-8	MW17	Total/NA	Ground Water	4500 F C-2011	
310-303449-9	MW18	Total/NA	Ground Water	4500 F C-2011	
310-303449-10	MW19	Total/NA	Ground Water	4500 F C-2011	
310-303449-11	DUP-1	Total/NA	Ground Water	4500 F C-2011	
MB 310-451248/33	Method Blank	Total/NA	Water	4500 F C-2011	

Eurofins Cedar Falls

QC Association Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

General Chemistry (Continued)

Analysis Batch: 451248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-451248/5	Method Blank	Total/NA	Water	4500 F C-2011	
LCS 310-451248/34	Lab Control Sample	Total/NA	Water	4500 F C-2011	
LCS 310-451248/6	Lab Control Sample	Total/NA	Water	4500 F C-2011	

Analysis Batch: 451375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	D516-16	
310-303449-2	MW5	Total/NA	Ground Water	D516-16	
MB 310-451375/16	Method Blank	Total/NA	Water	D516-16	
LCS 310-451375/14	Lab Control Sample	Total/NA	Water	D516-16	

Analysis Batch: 451435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-3	MW6	Total/NA	Ground Water	D516-16	
310-303449-4	MW8	Total/NA	Ground Water	D516-16	
310-303449-5	MW9	Total/NA	Ground Water	D516-16	
310-303449-6	MW13	Total/NA	Ground Water	D516-16	
310-303449-7	MW15	Total/NA	Ground Water	D516-16	
310-303449-8	MW17	Total/NA	Ground Water	D516-16	
310-303449-9	MW18	Total/NA	Ground Water	D516-16	
310-303449-10	MW19	Total/NA	Ground Water	D516-16	
310-303449-11	DUP-1	Total/NA	Ground Water	D516-16	
MB 310-451435/16	Method Blank	Total/NA	Water	D516-16	
LCS 310-451435/17	Lab Control Sample	Total/NA	Water	D516-16	
310-303449-3 MS	MW6	Total/NA	Ground Water	D516-16	
310-303449-3 MSD	MW6	Total/NA	Ground Water	D516-16	

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW2

Date Collected: 04/03/25 09:30

Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:26
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 12:58
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:01
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:21
Total/NA	Analysis	D516-16		50	451375	ENB7	EET CF	04/11/25 09:11
Total/NA	Analysis	SM 2540C		1	451008	XJ7V	EET CF	04/08/25 15:30
Total/NA	Analysis	SM 4500 CI- E		1	450879	ENB7	EET CF	04/07/25 13:32

Client Sample ID: MW5

Date Collected: 04/03/25 17:42

Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:29
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:01
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:08
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:31
Total/NA	Analysis	D516-16		50	451375	ENB7	EET CF	04/11/25 09:12
Total/NA	Analysis	SM 2540C		1	451008	XJ7V	EET CF	04/08/25 15:30
Total/NA	Analysis	SM 4500 CI- E		1	450879	ENB7	EET CF	04/07/25 13:32

Client Sample ID: MW6

Date Collected: 04/03/25 14:31

Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:31
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:10
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:10
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:34
Total/NA	Analysis	D516-16		20	451435	WZC8	EET CF	04/13/25 09:55
Total/NA	Analysis	SM 2540C		1	451008	XJ7V	EET CF	04/08/25 15:30
Total/NA	Analysis	SM 4500 CI- E		10	450879	ENB7	EET CF	04/07/25 13:33

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW8

Date Collected: 04/03/25 15:52

Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:44
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:15
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:12
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:37
Total/NA	Analysis	D516-16		50	451435	WZC8	EET CF	04/13/25 09:56
Total/NA	Analysis	SM 2540C		1	451008	XJ7V	EET CF	04/08/25 15:30
Total/NA	Analysis	SM 4500 CI- E		1	450879	ENB7	EET CF	04/07/25 13:33

Client Sample ID: MW9

Date Collected: 04/03/25 10:47

Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:47
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:17
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:19
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:40
Total/NA	Analysis	D516-16		1	451435	WZC8	EET CF	04/13/25 09:56
Total/NA	Analysis	SM 2540C		1	451008	XJ7V	EET CF	04/08/25 15:30
Total/NA	Analysis	SM 4500 CI- E		10	450879	ENB7	EET CF	04/07/25 13:33

Client Sample ID: MW13

Date Collected: 04/03/25 12:20

Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:50
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:20
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:21
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:44
Total/NA	Analysis	D516-16		50	451435	WZC8	EET CF	04/13/25 09:57
Total/NA	Analysis	SM 2540C		1	451008	XJ7V	EET CF	04/08/25 15:30
Total/NA	Analysis	SM 4500 CI- E		1	450879	ENB7	EET CF	04/07/25 13:34

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW15
Date Collected: 04/03/25 13:29
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:52
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:22
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:23
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:47
Total/NA	Analysis	D516-16		50	451435	WZC8	EET CF	04/13/25 09:58
Total/NA	Analysis	SM 2540C		1	451144	MDU9	EET CF	04/09/25 21:56
Total/NA	Analysis	SM 4500 CI- E		1	451138	ENB7	EET CF	04/09/25 15:42

Client Sample ID: MW17
Date Collected: 04/03/25 16:42
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:55
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:24
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:25
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:50
Total/NA	Analysis	D516-16		50	451435	WZC8	EET CF	04/13/25 09:59
Total/NA	Analysis	SM 2540C		1	451144	MDU9	EET CF	04/09/25 21:56
Total/NA	Analysis	SM 4500 CI- E		1	451138	ENB7	EET CF	04/09/25 15:43

Client Sample ID: MW18
Date Collected: 04/01/25 15:05
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:57
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:27
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:27
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:53
Total/NA	Analysis	D516-16		1	451435	WZC8	EET CF	04/13/25 09:59
Total/NA	Analysis	SM 2540C		1	450904	MDU9	EET CF	04/08/25 00:30
Total/NA	Analysis	SM 4500 CI- E		1	451138	ENB7	EET CF	04/09/25 15:44

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Client Sample ID: MW19
Date Collected: 04/01/25 17:03
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 20:59
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:29
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:29
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 11:56
Total/NA	Analysis	D516-16		1	451435	WZC8	EET CF	04/13/25 10:00
Total/NA	Analysis	SM 2540C		1	450904	MDU9	EET CF	04/08/25 00:30
Total/NA	Analysis	SM 4500 CI- E		1	451138	ENB7	EET CF	04/09/25 15:53

Client Sample ID: DUP-1
Date Collected: 04/03/25 00:00
Date Received: 04/04/25 16:00

Lab Sample ID: 310-303449-11
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451166	NFT2	EET CF	04/09/25 21:02
Total/NA	Prep	3005A			450994	QTZ5	EET CF	04/09/25 09:00
Total/NA	Analysis	6020B		1	451313	NFT2	EET CF	04/10/25 13:31
Total/NA	Prep	7470A			451105	F5MW	EET CF	04/10/25 12:06
Total/NA	Analysis	7470A		1	451409	F5MW	EET CF	04/11/25 12:31
Total/NA	Analysis	4500 F C-2011		1	451248	WZC8	EET CF	04/10/25 12:00
Total/NA	Analysis	D516-16		50	451435	WZC8	EET CF	04/13/25 10:00
Total/NA	Analysis	SM 2540C		1	451144	MDU9	EET CF	04/09/25 21:56
Total/NA	Analysis	SM 4500 CI- E		1	451138	ENB7	EET CF	04/09/25 15:55

Laboratory References:

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

Accreditation/Certification Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Laboratory: Eurofins Cedar Falls

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	IA100001	09-29-25

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

Method Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
4500 F C-2011	Fluoride (Ion-selective Electrode)	SM	EET CF
D516-16	Sulfate	ASTM	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 Cl- E	Chloride, Total	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF

Protocol References:

ASTM = ASTM International

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

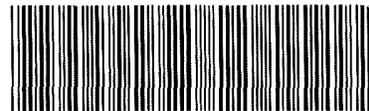
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Environment Testing
America



310-303449 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>OPPD</u>			
City/State:	<u>Omaha</u>	<u>NE</u>	Project:
Receipt Information			
Date/Time Received:	<u>4/4/25</u>	<u>1600</u>	Received By: <u>AB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>Z</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):	<u>2.0</u>	Corrected Temp (°C):	<u>2.0</u>
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>OPPD</u>			
City/State:	<u>Omaha</u> <small>CITY</small>	<u>NE</u> <small>STATE</small>	Project.
Receipt Information			
Date/Time Received:	<u>4/4/25</u> <small>DATE</small>	<u>1600</u> <small>TIME</small>	Received By: <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>2</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>2</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):	<u>1.3</u>	Corrected Temp (°C):	<u>1.3</u>
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>OPPD</u>			
City/State:	<u>Orinda</u> <small>CITY</small>	<u>NE</u> <small>STATE</small>	Project:
Receipt Information			
Date/Time Received:	<u>4/4/25</u> <small>DATE</small>	<u>1600</u> <small>TIME</small>	Received By: <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # <u>3</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID	<u>Z</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):	<u>0.1</u>	Corrected Temp (°C):	<u>0.1</u>
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303449-1

Login Number: 303449

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.



ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Uhing
Omaha Public Power District
Attn: Accounts Payable, 4E/EP-5
444 South 16th Street Mall
Omaha, Nebraska 68102-2247

Generated 5/6/2025 1:28:48 PM

JOB DESCRIPTION

North Omaha Station CCR
CCR and Landfill Parameters (Q2 and Q4)

JOB NUMBER

310-303449-2

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
5/6/2025 1:28:48 PM

Authorized for release by
Bob Michels, Project Manager I
Bob.Michels@et.eurofinsus.com
(319)277-2401



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Case Narrative

Client: Omaha Public Power District
Project: North Omaha Station CCR

Job ID: 310-303449-2

Job ID: 310-303449-2

Eurofins Cedar Falls

Job Narrative 310-303449-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/4/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.1°C, 1.3°C and 2.0°C.

Gas Flow Proportional Counter

Method 9320_Ra228: Radium-228 Prep Batch 160-711592:

The MDC for the following sample(s) is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. MW18 (310-303449-9)

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

Rad

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: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-303449-1	MW2	Ground Water	04/03/25 09:30	04/04/25 16:00
310-303449-2	MW5	Ground Water	04/03/25 17:42	04/04/25 16:00
310-303449-3	MW6	Ground Water	04/03/25 14:31	04/04/25 16:00
310-303449-4	MW8	Ground Water	04/03/25 15:52	04/04/25 16:00
310-303449-5	MW9	Ground Water	04/03/25 10:47	04/04/25 16:00
310-303449-6	MW13	Ground Water	04/03/25 12:20	04/04/25 16:00
310-303449-7	MW15	Ground Water	04/03/25 13:29	04/04/25 16:00
310-303449-8	MW17	Ground Water	04/03/25 16:42	04/04/25 16:00
310-303449-9	MW18	Ground Water	04/01/25 15:05	04/04/25 16:00
310-303449-10	MW19	Ground Water	04/01/25 17:03	04/04/25 16:00
310-303449-11	DUP-1	Ground Water	04/03/25 00:00	04/04/25 16:00

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Detection Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW2 **Lab Sample ID: 310-303449-1**

No Detections.

Client Sample ID: MW5 **Lab Sample ID: 310-303449-2**

No Detections.

Client Sample ID: MW6 **Lab Sample ID: 310-303449-3**

No Detections.

Client Sample ID: MW8 **Lab Sample ID: 310-303449-4**

No Detections.

Client Sample ID: MW9 **Lab Sample ID: 310-303449-5**

No Detections.

Client Sample ID: MW13 **Lab Sample ID: 310-303449-6**

No Detections.

Client Sample ID: MW15 **Lab Sample ID: 310-303449-7**

No Detections.

Client Sample ID: MW17 **Lab Sample ID: 310-303449-8**

No Detections.

Client Sample ID: MW18 **Lab Sample ID: 310-303449-9**

No Detections.

Client Sample ID: MW19 **Lab Sample ID: 310-303449-10**

No Detections.

Client Sample ID: DUP-1 **Lab Sample ID: 310-303449-11**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls



Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW2

Lab Sample ID: 310-303449-1

Date Collected: 04/03/25 09:30

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0592	U	0.164	0.164	1.00	0.309	pCi/L	04/09/25 07:36	05/05/25 17:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					04/09/25 07:36	05/05/25 17:14	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.449	U	0.336	0.339	1.00	0.513	pCi/L	04/09/25 07:38	05/05/25 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					04/09/25 07:38	05/05/25 12:13	1
Y Carrier	84.5		30 - 110					04/09/25 07:38	05/05/25 12:13	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.508	U	0.374	0.377	5.00	0.513	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW5

Lab Sample ID: 310-303449-2

Date Collected: 04/03/25 17:42

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.373		0.226	0.229	1.00	0.285	pCi/L	04/09/25 07:36	05/05/25 17:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					04/09/25 07:36	05/05/25 17:14	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.589	U	0.415	0.418	1.00	0.628	pCi/L	04/09/25 07:38	05/05/25 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					04/09/25 07:38	05/05/25 12:13	1
Y Carrier	75.9		30 - 110					04/09/25 07:38	05/05/25 12:13	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.961		0.473	0.477	5.00	0.628	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW6

Lab Sample ID: 310-303449-3

Date Collected: 04/03/25 14:31

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.396		0.227	0.230	1.00	0.270	pCi/L	04/09/25 07:36	05/05/25 17:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					04/09/25 07:36	05/05/25 17:14	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.357	U	0.301	0.303	1.00	0.664	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	75.5		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0387	U	0.377	0.380	5.00	0.664	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW8

Lab Sample ID: 310-303449-4

Date Collected: 04/03/25 15:52

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0948	U	0.179	0.179	1.00	0.407	pCi/L	04/09/25 07:36	05/05/25 17:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					04/09/25 07:36	05/05/25 17:14	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00230	U	0.289	0.289	1.00	0.544	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	80.7		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0925	U	0.340	0.340	5.00	0.544	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW9

Lab Sample ID: 310-303449-5

Date Collected: 04/03/25 10:47

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.684		0.410	0.415	1.00	0.511	pCi/L	04/09/25 07:36	05/05/25 17:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					04/09/25 07:36	05/05/25 17:14	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.236	U	0.569	0.570	1.00	1.00	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	83.7		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.920	U	0.701	0.705	5.00	1.00	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW13

Lab Sample ID: 310-303449-6

Date Collected: 04/03/25 12:20

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0981	U	0.195	0.195	1.00	0.349	pCi/L	04/09/25 07:36	05/05/25 17:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					04/09/25 07:36	05/05/25 17:14	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.332	U	0.263	0.265	1.00	0.592	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	81.1		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.234	U	0.327	0.329	5.00	0.592	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW15

Lab Sample ID: 310-303449-7

Date Collected: 04/03/25 13:29

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.165	U	0.210	0.210	1.00	0.486	pCi/L	04/09/25 07:36	05/05/25 17:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					04/09/25 07:36	05/05/25 17:15	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.779		0.431	0.437	1.00	0.598	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	76.6		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.614		0.479	0.485	5.00	0.598	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW17

Lab Sample ID: 310-303449-8

Date Collected: 04/03/25 16:42

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0946	U	0.189	0.189	1.00	0.338	pCi/L	04/09/25 07:36	05/05/25 17:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					04/09/25 07:36	05/05/25 17:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.911		0.401	0.410	1.00	0.523	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	80.7		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.01		0.443	0.451	5.00	0.523	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW18

Lab Sample ID: 310-303449-9

Date Collected: 04/01/25 15:05

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.521	U	0.393	0.396	1.00	0.569	pCi/L	04/09/25 07:36	05/05/25 17:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.2		30 - 110					04/09/25 07:36	05/05/25 17:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.821	U G	0.692	0.696	1.00	1.09	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.2		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	78.9		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.34		0.796	0.801	5.00	1.09	pCi/L		05/05/25 18:42	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW19

Lab Sample ID: 310-303449-10

Date Collected: 04/01/25 17:03

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.376	U	0.281	0.283	1.00	0.398	pCi/L	04/09/25 07:36	05/05/25 21:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		30 - 110					04/09/25 07:36	05/05/25 21:51	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.851		0.504	0.510	1.00	0.731	pCi/L	04/09/25 07:38	05/05/25 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		30 - 110					04/09/25 07:38	05/05/25 12:14	1
Y Carrier	85.2		30 - 110					04/09/25 07:38	05/05/25 12:14	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.23		0.577	0.583	5.00	0.731	pCi/L		05/06/25 13:18	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: DUP-1

Lab Sample ID: 310-303449-11

Date Collected: 04/03/25 00:00

Matrix: Ground Water

Date Received: 04/04/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136	U	0.185	0.186	1.00	0.312	pCi/L	04/09/25 07:36	05/05/25 21:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					04/09/25 07:36	05/05/25 21:51	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.375	U	0.319	0.321	1.00	0.494	pCi/L	04/09/25 07:38	05/05/25 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					04/09/25 07:38	05/05/25 12:15	1
Y Carrier	79.3		30 - 110					04/09/25 07:38	05/05/25 12:15	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.511		0.369	0.371	5.00	0.494	pCi/L		05/06/25 13:18	1

Definitions/Glossary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-711588/1-A
Matrix: Water
Analysis Batch: 716104

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711588

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.009240	U	0.153	0.153	1.00	0.316	pCi/L	04/09/25 07:36	05/05/25 17:02	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	85.6		30 - 110		04/09/25 07:36	05/05/25 17:02	1			

Lab Sample ID: LCS 160-711588/2-A
Matrix: Water
Analysis Batch: 716104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711588

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.58	9.170		1.22	1.00	0.294	pCi/L	96	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	91.9		30 - 110						

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-711592/1-A
Matrix: Water
Analysis Batch: 716135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711592

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.1454	U	0.281	0.281	1.00	0.580	pCi/L	04/09/25 07:38	05/05/25 12:23	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	85.6		30 - 110		04/09/25 07:38	05/05/25 12:23	1			
Y Carrier	78.9		30 - 110		04/09/25 07:38	05/05/25 12:23	1			

Lab Sample ID: LCS 160-711592/2-A
Matrix: Water
Analysis Batch: 716135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711592

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	9.47	10.11		1.36	1.00	0.554	pCi/L	107	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	91.9		30 - 110						
Y Carrier	83.4		30 - 110						

QC Association Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Rad

Prep Batch: 711588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	PrecSep-21	
310-303449-2	MW5	Total/NA	Ground Water	PrecSep-21	
310-303449-3	MW6	Total/NA	Ground Water	PrecSep-21	
310-303449-4	MW8	Total/NA	Ground Water	PrecSep-21	
310-303449-5	MW9	Total/NA	Ground Water	PrecSep-21	
310-303449-6	MW13	Total/NA	Ground Water	PrecSep-21	
310-303449-7	MW15	Total/NA	Ground Water	PrecSep-21	
310-303449-8	MW17	Total/NA	Ground Water	PrecSep-21	
310-303449-9	MW18	Total/NA	Ground Water	PrecSep-21	
310-303449-10	MW19	Total/NA	Ground Water	PrecSep-21	
310-303449-11	DUP-1	Total/NA	Ground Water	PrecSep-21	
MB 160-711588/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-711588/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 711592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303449-1	MW2	Total/NA	Ground Water	PrecSep_0	
310-303449-2	MW5	Total/NA	Ground Water	PrecSep_0	
310-303449-3	MW6	Total/NA	Ground Water	PrecSep_0	
310-303449-4	MW8	Total/NA	Ground Water	PrecSep_0	
310-303449-5	MW9	Total/NA	Ground Water	PrecSep_0	
310-303449-6	MW13	Total/NA	Ground Water	PrecSep_0	
310-303449-7	MW15	Total/NA	Ground Water	PrecSep_0	
310-303449-8	MW17	Total/NA	Ground Water	PrecSep_0	
310-303449-9	MW18	Total/NA	Ground Water	PrecSep_0	
310-303449-10	MW19	Total/NA	Ground Water	PrecSep_0	
310-303449-11	DUP-1	Total/NA	Ground Water	PrecSep_0	
MB 160-711592/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-711592/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW2

Lab Sample ID: 310-303449-1

Date Collected: 04/03/25 09:30

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:14
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:13
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW5

Lab Sample ID: 310-303449-2

Date Collected: 04/03/25 17:42

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:14
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:13
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW6

Lab Sample ID: 310-303449-3

Date Collected: 04/03/25 14:31

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:14
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW8

Lab Sample ID: 310-303449-4

Date Collected: 04/03/25 15:52

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:14
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW9

Lab Sample ID: 310-303449-5

Date Collected: 04/03/25 10:47

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:14
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW13

Lab Sample ID: 310-303449-6

Date Collected: 04/03/25 12:20

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:14
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW15

Lab Sample ID: 310-303449-7

Date Collected: 04/03/25 13:29

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 17:15
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW17

Lab Sample ID: 310-303449-8

Date Collected: 04/03/25 16:42

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716138	CMM	EET SL	05/05/25 17:08
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Client Sample ID: MW18

Lab Sample ID: 310-303449-9

Date Collected: 04/01/25 15:05

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716138	CMM	EET SL	05/05/25 17:08
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/05/25 18:42

Client Sample ID: MW19

Lab Sample ID: 310-303449-10

Date Collected: 04/01/25 17:03

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 21:51
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:14
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/06/25 13:18

Client Sample ID: DUP-1

Lab Sample ID: 310-303449-11

Date Collected: 04/03/25 00:00

Matrix: Ground Water

Date Received: 04/04/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			711588	OGC	EET SL	04/09/25 07:36
Total/NA	Analysis	9315		1	716135	CMM	EET SL	05/05/25 21:51
Total/NA	Prep	PrecSep_0			711592	OGC	EET SL	04/09/25 07:38
Total/NA	Analysis	9320		1	716138	CMM	EET SL	05/05/25 12:15
Total/NA	Analysis	Ra226_Ra228		1	716157	EMH	EET SL	05/06/25 13:18

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

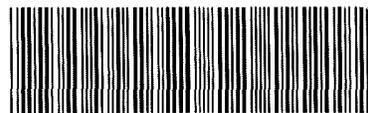
Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566





Environment Testing
America



310-303449 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>OPPD</u>			
City/State:	<u>Omaha</u>	<u>NE</u>	Project:
Receipt Information			
Date/Time Received:	<u>4/4/25</u>	<u>1600</u>	Received By: <u>AB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID: _____	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE		
Thermometer ID:	<u>Z</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):	<u>2.0</u>	Corrected Temp (°C):	<u>2.0</u>
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			





Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information		
Client: <u>OPPD</u>		
City/State: <u>Omaha</u> <u>NE</u>	Project.	
Receipt Information		
Date/Time Received: <u>4/4/25</u> <u>1600</u>	Received By: <u>XB</u>	
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____		
Condition of Cooler/Containers		
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>2</u> of <u>3</u>
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓
Temperature Record		
Coolant:	<input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE	
Thermometer ID: <u>2</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): <u>1.3</u>	Corrected Temp (°C): <u>1.3</u>	
• Sample Container Temperature		
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>
Uncorrected Temp (°C):		
Corrected Temp (°C):		
Exceptions Noted		
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No		
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No		
NOTE If yes, contact PM before proceeding If no, proceed with login		
Additional Comments		





Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>OPPD</u>			
City/State:	<u>Orinda</u> <small>CITY</small>	<u>NE</u> <small>STATE</small>	Project:
Receipt Information			
Date/Time Received:	<u>4/4/25</u> <small>DATE</small>	<u>1600</u> <small>TIME</small>	Received By: <u>XB</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # <u>3</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID	<u>Z</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):	<u>0.1</u>	Corrected Temp (°C):	<u>0.1</u>
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Chain of Custody Record

Client Information		Lab P/M		Carrier Tracking No(s)		COC No								
Omaha Public Power District		Hayes Shawn M												
Address: 444 South 16th Street Mall 9E/EP1		E-Mail: shawn.hayes@testamericainc.com												
City: Omaha														
State Zip: NE, 68102-2247														
Phone: (531) 226-2515														
Email: kkuhng@oppd.com														
Project Name: North Omaha Station CCR														
Site: North Omaha Station														
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, AA=Air)	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315 Ra226, 9320 Ra228, Combined Ra226 and Ra228	Total 6020A CCR Appendix III and IV, 7470A Mercury	2540C TDS, 9056A Chloride, Fluoride, Sulfate	Analysis Requested	Carrier Tracking No(s)	Job #	Page	COC No
MW2	4/3/25	9:30	G	W	N	X	X	X	X					
MW5	4/3/25	17:42	G	W	N	X	X	X	X					
MW6	4/3/25	14:31	G	W	N	X	X	X	X					
MW8	4/3/25	15:52	G	W	N	X	X	X	X					
MW9	4/3/25	10:47	G	W	N	X	X	X	X					
MW13	4/3/25	12:20	G	W	N	X	X	X	X					
MW15	4/3/25	13:29	G	W	N	X	X	X	X					
MW17	4/3/25	16:42	G	W	N	X	X	X	X					
MW18	4/1/25	15:05	G	W	N	X	X	X	X					
MW19	4/1/25	17:03	G	W	N	X	X	X	X					
DUP1	4/3/25	--	G	W	N	X	X	X	X					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify)														
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____ Relinquished by: <i>[Signature]</i> Date/Time: 4/3/25 8:15 Company: OPPD Relinquished by: <i>[Signature]</i> Date/Time: 4-4-25 0800 Company: OPPD Relinquished by: <i>[Signature]</i> Date/Time: 4/25 1600 Company: OPPD Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Δ <input type="checkbox"/> Δ <input type="checkbox"/> No Custody Seal No. _____ Cooler Temperature(s) °C and Other Remarks: _____														



Eurofins Cedar Falls

3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record



Client Information (Sub Contract Lab)
 Client Contact: Shipping/Receiving
 Company: TestAmerica Laboratories, Inc.
 Address: 13715 Rider Trail North,
 City: Earth City
 State, Zip: MO, 63045
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)
 Email: N/A
 Project Name: North Omaha Station CCR
 Site: N/A

Sampler: N/A
Lab PM: Michels, Bob C
E-Mail: Bob.Michels@et.eurofins.com
Accreditations Required (See note): NELAP - Oregon

Due Date Requested: 5/5/2025
TAT Requested (days): N/A
PO #: N/A
WO #: N/A
Project #: 31007560
SSOW#: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, I=ice, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra228/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Raz26Ra228_GFPC	Analysis Requested	Total Number of Containers	Special Instructions/Note:
MW2 (310-303449-1)	4/3/25	09:30 Central	G	Water	X	X	X	X	X		2	
MW5 (310-303449-2)	4/3/25	17:42 Central	G	Water	X	X	X	X	X		2	
MW6 (310-303449-3)	4/3/25	14:31 Central	G	Water	X	X	X	X	X		2	
MW8 (310-303449-4)	4/3/25	15:52 Central	G	Water	X	X	X	X	X		2	
MW9 (310-303449-5)	4/3/25	10:47 Central	G	Water	X	X	X	X	X		2	
MW13 (310-303449-6)	4/3/25	12:20 Central	G	Water	X	X	X	X	X		2	
MW15 (310-303449-7)	4/3/25	13:29 Central	G	Water	X	X	X	X	X		2	
MW17 (310-303449-8)	4/3/25	16:42 Central	G	Water	X	X	X	X	X		2	
MW18 (310-303449-9)	4/1/25	15:05 Central	G	Water	X	X	X	X	X		2	

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: _____ Date/Time: 4/25/25 1300
 Relinquished by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____
 Custody Seals Intact: _____ (Custody Seal No.: _____)
 Δ Yes Δ No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Method of Shipment:
 Received by: Jenna Woodington Date/Time: 4/18/25 0825 Company: EMS IL
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: _____ Company: _____
 Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303449-2

Login Number: 303449

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.



Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303449-2

Login Number: 303449

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 04/08/25 12:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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	
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?	N/A	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Tracer/Carrier Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
310-303449-1	MW2	90.7	
310-303449-2	MW5	88.9	
310-303449-3	MW6	87.1	
310-303449-4	MW8	89.9	
310-303449-5	MW9	99.7	
310-303449-6	MW13	88.9	
310-303449-7	MW15	81.3	
310-303449-8	MW17	90.4	
310-303449-9	MW18	69.2	
310-303449-10	MW19	86.9	
310-303449-11	DUP-1	91.4	

Tracer/Carrier Legend
 Ba = Ba Carrier

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
LCS 160-711588/2-A	Lab Control Sample	91.9	
MB 160-711588/1-A	Method Blank	85.6	

Tracer/Carrier Legend
 Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Ground Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
310-303449-1	MW2	90.7	84.5
310-303449-2	MW5	88.9	75.9
310-303449-3	MW6	87.1	75.5
310-303449-4	MW8	89.9	80.7
310-303449-5	MW9	99.7	83.7
310-303449-6	MW13	88.9	81.1
310-303449-7	MW15	81.3	76.6
310-303449-8	MW17	90.4	80.7
310-303449-9	MW18	69.2	78.9
310-303449-10	MW19	86.9	85.2
310-303449-11	DUP-1	91.4	79.3

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y Carrier

Tracer/Carrier Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-303449-2

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
LCS 160-711592/2-A	Lab Control Sample	91.9	83.4
MB 160-711592/1-A	Method Blank	85.6	78.9

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Uhing
Omaha Public Power District
Attn: Accounts Payable, 4E/EP-5
444 South 16th Street Mall
Omaha, Nebraska 68102-2247

Generated 10/21/2025 3:30:48 PM Revision 1

JOB DESCRIPTION

North Omaha Station CCR

JOB NUMBER

310-317227-1

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
10/21/2025 3:30:48 PM
Revision 1

Authorized for release by
Bob Michels, Project Manager I
Bob.Michels@et.eurofinsus.com
(319)277-2401



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Case Narrative

Client: Omaha Public Power District
Project: North Omaha Station CCR

Job ID: 310-317227-1

Job ID: 310-317227-1

Eurofins Cedar Falls

Job Narrative 310-317227-1

REVISION

The report being provided is a revision of the original report sent on 10/21/2025. The report (revision 1) is being revised due to Revised to report without Iron.

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 10/6/2025 5:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 4.3°C and 4.9°C.

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: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-317227-1	MW2	Water	10/02/25 19:14	10/06/25 05:30	Nebraska
310-317227-2	MW5	Water	10/03/25 13:14	10/06/25 05:30	Nebraska
310-317227-3	MW6	Water	10/03/25 10:06	10/06/25 05:30	Nebraska
310-317227-4	MW8	Water	10/03/25 11:04	10/06/25 05:30	Nebraska
310-317227-5	MW9	Water	10/02/25 15:13	10/06/25 05:30	Nebraska
310-317227-6	MW13	Water	10/02/25 16:48	10/06/25 05:30	Nebraska
310-317227-7	MW15	Water	10/03/25 09:12	10/06/25 05:30	Nebraska
310-317227-8	MW17	Water	10/03/25 12:03	10/06/25 05:30	Nebraska
310-317227-9	MW18	Water	10/02/25 13:01	10/06/25 05:30	Nebraska
310-317227-10	MW19	Water	10/02/25 14:00	10/06/25 05:30	Nebraska
310-317227-11	DUP-1	Water	10/02/25 00:00	10/06/25 05:30	Nebraska

- 1
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Detection Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW2

Lab Sample ID: 310-317227-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.306		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.160		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	1.46		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	297		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000414	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0444		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00150	J	0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.355		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	563		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1490		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	26.2		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW5

Lab Sample ID: 310-317227-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0448		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0445		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.699		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	486		2.00	0.760	mg/L	4		6020B	Total/NA
Cobalt	0.000636		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000407	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0795		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00261		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.323		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	984		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	2290		250	180	mg/L	1		SM 2540C	Total/NA
Chloride	39.3		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW6

Lab Sample ID: 310-317227-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00529		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.154		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.775		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000115	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	327		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00667		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0492		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0750		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.386		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	218		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1330		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	332		20.0	14.0	mg/L	10		SM 4500 Cl- E	Total/NA

Client Sample ID: MW8

Lab Sample ID: 310-317227-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0130		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0972		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	2.62		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	186		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000365	J	0.000500	0.000170	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW8 (Continued)

Lab Sample ID: 310-317227-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0129		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0923		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.212		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	574		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1020		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	14.7		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW9

Lab Sample ID: 310-317227-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00184	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.554		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.101		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000170	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	163		0.500	0.190	mg/L	1		6020B	Total/NA
Chromium	0.00212	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00175		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00384		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0501		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.419		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	16.2		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	698		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	118		20.0	14.0	mg/L	10		SM 4500 Cl- E	Total/NA

Client Sample ID: MW13

Lab Sample ID: 310-317227-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0331		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0441		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	1.33		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000332		0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	128		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000239	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0260		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.911		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00238	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.543		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	567		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1170		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	9.53		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW15

Lab Sample ID: 310-317227-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00219		0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00214		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0445		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	3.14		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000124	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	224		0.500	0.190	mg/L	1		6020B	Total/NA
Chromium	0.0101		0.00500	0.00180	mg/L	1		6020B	Total/NA
Lithium	0.00738	J	0.0100	0.00290	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW15 (Continued)

Lab Sample ID: 310-317227-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	0.254	F1	0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.0605		0.00500	0.00140	mg/L	1		6020B	Total/NA
Sulfate	515		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	968		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	10.4		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW17

Lab Sample ID: 310-317227-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00161	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.0257		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0459		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.716		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	414		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00907		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.111		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00382		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.260		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	846		500	180	mg/L	100		D516-16	Total/NA
Total Dissolved Solids	2040		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	46.7		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW18

Lab Sample ID: 310-317227-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00146	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.285		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.0947	J	0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	106		0.500	0.190	mg/L	1		6020B	Total/NA
Lead	0.000484	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0265		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.354		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	12.2		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	422		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.90		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW19

Lab Sample ID: 310-317227-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.382		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.103		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	121		0.500	0.190	mg/L	1		6020B	Total/NA
Lithium	0.0346		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.391		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	17.6		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	412		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.99		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: DUP-1

Lab Sample ID: 310-317227-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.319		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.151		0.00200	0.000660	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: DUP-1 (Continued)

Lab Sample ID: 310-317227-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	1.28		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	289		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000389	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0434		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.340		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	544		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1490		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	26.6		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls



Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW2

Lab Sample ID: 310-317227-1

Date Collected: 10/02/25 19:14

Matrix: Water

Date Received: 10/06/25 05:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:33	1
Arsenic	0.306		0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:09	1
Barium	0.160		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:09	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:09	1
Boron	1.46		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:33	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:09	1
Calcium	297		0.500	0.190	mg/L		10/13/25 08:30	10/18/25 12:33	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:09	1
Cobalt	0.000414	J	0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:09	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:09	1
Lithium	0.0444		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:09	1
Molybdenum	0.00150	J	0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:09	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:09	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.355		0.100	0.0490	mg/L			10/08/25 10:04	1
Sulfate (ASTM D516-16)	563		100	36.0	mg/L			10/07/25 11:15	20
Total Dissolved Solids (SM 2540C)	1490		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	26.2		2.00	1.40	mg/L			10/09/25 16:12	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW5

Lab Sample ID: 310-317227-2

Date Collected: 10/03/25 13:14

Matrix: Water

Date Received: 10/06/25 05:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:36	1
Arsenic	0.0448		0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:11	1
Barium	0.0445		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:11	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:11	1
Boron	0.699		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:36	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:11	1
Calcium	486		2.00	0.760	mg/L		10/13/25 08:30	10/20/25 13:13	4
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:11	1
Cobalt	0.000636		0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:11	1
Lead	0.000407	J	0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:11	1
Lithium	0.0795		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:11	1
Molybdenum	0.00261		0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:11	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:11	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.323		0.100	0.0490	mg/L			10/08/25 10:07	1
Sulfate (ASTM D516-16)	984		250	90.0	mg/L			10/07/25 11:17	50
Total Dissolved Solids (SM 2540C)	2290		250	180	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	39.3		2.00	1.40	mg/L			10/09/25 16:12	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW6

Lab Sample ID: 310-317227-3

Date Collected: 10/03/25 10:06

Matrix: Water

Date Received: 10/06/25 05:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:39	1
Arsenic	0.00529		0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:14	1
Barium	0.154		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:14	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:14	1
Boron	0.775		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:39	1
Cadmium	0.000115 J		0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:14	1
Calcium	327		0.500	0.190	mg/L		10/13/25 08:30	10/18/25 12:39	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:14	1
Cobalt	0.00667		0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:14	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:14	1
Lithium	0.0492		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:14	1
Molybdenum	0.0750		0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:14	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:14	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.386		0.100	0.0490	mg/L			10/08/25 10:11	1
Sulfate (ASTM D516-16)	218		100	36.0	mg/L			10/07/25 11:17	20
Total Dissolved Solids (SM 2540C)	1330		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	332		20.0	14.0	mg/L			10/09/25 16:13	10

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW8

Lab Sample ID: 310-317227-4

Date Collected: 10/03/25 11:04

Matrix: Water

Date Received: 10/06/25 05:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:42	1
Arsenic	0.0130		0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:17	1
Barium	0.0972		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:17	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:17	1
Boron	2.62		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:17	1
Calcium	186		0.500	0.190	mg/L		10/13/25 08:30	10/18/25 12:42	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:17	1
Cobalt	0.000365 J		0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:17	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:17	1
Lithium	0.0129		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:17	1
Molybdenum	0.0923		0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:17	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:17	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.212		0.100	0.0490	mg/L			10/08/25 10:21	1
Sulfate (ASTM D516-16)	574		100	36.0	mg/L			10/07/25 11:18	20
Total Dissolved Solids (SM 2540C)	1020		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	14.7		2.00	1.40	mg/L			10/09/25 16:13	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW9

Lab Sample ID: 310-317227-5

Date Collected: 10/02/25 15:13

Matrix: Water

Date Received: 10/06/25 05:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:50	1
Arsenic	0.00184	J	0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:20	1
Barium	0.554		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:20	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:20	1
Boron	0.101		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:50	1
Cadmium	0.000170	J	0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:20	1
Calcium	163		0.500	0.190	mg/L		10/13/25 08:30	10/18/25 12:50	1
Chromium	0.00212	J	0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:20	1
Cobalt	0.00175		0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:20	1
Lead	0.00384		0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:20	1
Lithium	0.0501		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:20	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:20	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:20	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.419		0.100	0.0490	mg/L			10/08/25 10:24	1
Sulfate (ASTM D516-16)	16.2		5.00	1.80	mg/L			10/07/25 11:18	1
Total Dissolved Solids (SM 2540C)	698		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	118		20.0	14.0	mg/L			10/09/25 16:15	10

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW13
 Date Collected: 10/02/25 16:48
 Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-6
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:53	1
Arsenic	0.0331		0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:23	1
Barium	0.0441		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:23	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:23	1
Boron	1.33		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:53	1
Cadmium	0.000332		0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:23	1
Calcium	128		0.500	0.190	mg/L		10/13/25 08:30	10/18/25 12:53	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:23	1
Cobalt	0.000239	J	0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:23	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:23	1
Lithium	0.0260		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:23	1
Molybdenum	0.911		0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:23	1
Selenium	0.00238	J	0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:23	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.543		0.100	0.0490	mg/L			10/08/25 10:27	1
Sulfate (ASTM D516-16)	567		250	90.0	mg/L			10/07/25 11:19	50
Total Dissolved Solids (SM 2540C)	1170		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	9.53		2.00	1.40	mg/L			10/09/25 16:15	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW15
 Date Collected: 10/03/25 09:12
 Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-7
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00219		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 14:10	1
Arsenic	0.00214		0.00200	0.000530	mg/L		10/13/25 08:30	10/16/25 18:14	1
Barium	0.0445		0.00200	0.000660	mg/L		10/13/25 08:30	10/16/25 18:14	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/16/25 18:14	1
Boron	3.14		0.100	0.0820	mg/L		10/13/25 08:30	10/16/25 18:14	1
Cadmium	0.000124	J	0.000200	0.000100	mg/L		10/13/25 08:30	10/16/25 18:14	1
Calcium	224		0.500	0.190	mg/L		10/13/25 08:30	10/16/25 18:14	1
Chromium	0.0101		0.00500	0.00180	mg/L		10/13/25 08:30	10/16/25 18:14	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/13/25 08:30	10/16/25 18:14	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/16/25 18:14	1
Lithium	0.00738	J	0.0100	0.00290	mg/L		10/13/25 08:30	10/16/25 18:14	1
Molybdenum	0.254	F1	0.00200	0.00130	mg/L		10/13/25 08:30	10/16/25 18:14	1
Selenium	0.0605		0.00500	0.00140	mg/L		10/13/25 08:30	10/16/25 18:14	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/16/25 18:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	<0.0490		0.100	0.0490	mg/L			10/08/25 10:30	1
Sulfate (ASTM D516-16)	515		100	36.0	mg/L			10/07/25 11:19	20
Total Dissolved Solids (SM 2540C)	968		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	10.4		2.00	1.40	mg/L			10/09/25 16:16	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW17
 Date Collected: 10/03/25 12:03
 Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-8
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00161	J	0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 14:19	1
Arsenic	0.0257		0.00200	0.000530	mg/L		10/13/25 08:30	10/16/25 18:31	1
Barium	0.0459		0.00200	0.000660	mg/L		10/13/25 08:30	10/16/25 18:31	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/16/25 18:31	1
Boron	0.716		0.100	0.0820	mg/L		10/13/25 08:30	10/20/25 16:17	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/16/25 18:31	1
Calcium	414		0.500	0.190	mg/L		10/13/25 08:30	10/16/25 18:31	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/16/25 18:31	1
Cobalt	0.00907		0.000500	0.000170	mg/L		10/13/25 08:30	10/16/25 18:31	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/18/25 14:19	1
Lithium	0.111		0.0100	0.00290	mg/L		10/13/25 08:30	10/16/25 18:31	1
Molybdenum	0.00382		0.00200	0.00130	mg/L		10/13/25 08:30	10/16/25 18:31	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/16/25 18:31	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/16/25 18:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.260		0.100	0.0490	mg/L			10/08/25 10:33	1
Sulfate (ASTM D516-16)	846		500	180	mg/L			10/07/25 11:31	100
Total Dissolved Solids (SM 2540C)	2040		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	46.7		2.00	1.40	mg/L			10/09/25 16:16	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW18
 Date Collected: 10/02/25 13:01
 Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-9
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 14:21	1
Arsenic	0.00146	J	0.00200	0.000530	mg/L		10/13/25 08:30	10/16/25 18:33	1
Barium	0.285		0.00200	0.000660	mg/L		10/13/25 08:30	10/16/25 18:33	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/16/25 18:33	1
Boron	0.0947	J	0.100	0.0820	mg/L		10/13/25 08:30	10/20/25 16:19	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/16/25 18:33	1
Calcium	106		0.500	0.190	mg/L		10/13/25 08:30	10/16/25 18:33	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/16/25 18:33	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/13/25 08:30	10/16/25 18:33	1
Lead	0.000484	J	0.000500	0.000330	mg/L		10/13/25 08:30	10/18/25 14:21	1
Lithium	0.0265		0.0100	0.00290	mg/L		10/13/25 08:30	10/16/25 18:33	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/13/25 08:30	10/16/25 18:33	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/16/25 18:33	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/16/25 18:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.354		0.100	0.0490	mg/L			10/08/25 10:36	1
Sulfate (ASTM D516-16)	12.2		5.00	1.80	mg/L			10/07/25 11:20	1
Total Dissolved Solids (SM 2540C)	422		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	2.90		2.00	1.40	mg/L			10/09/25 16:18	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW19
 Date Collected: 10/02/25 14:00
 Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-10
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 14:24	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/13/25 08:30	10/16/25 18:36	1
Barium	0.382		0.00200	0.000660	mg/L		10/13/25 08:30	10/16/25 18:36	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/16/25 18:36	1
Boron	0.103		0.100	0.0820	mg/L		10/13/25 08:30	10/20/25 16:22	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/16/25 18:36	1
Calcium	121		0.500	0.190	mg/L		10/13/25 08:30	10/16/25 18:36	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/16/25 18:36	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/13/25 08:30	10/16/25 18:36	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/18/25 14:24	1
Lithium	0.0346		0.0100	0.00290	mg/L		10/13/25 08:30	10/16/25 18:36	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/13/25 08:30	10/16/25 18:36	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/16/25 18:36	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/16/25 18:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.391		0.100	0.0490	mg/L			10/08/25 10:40	1
Sulfate (ASTM D516-16)	17.6		5.00	1.80	mg/L			10/07/25 11:20	1
Total Dissolved Solids (SM 2540C)	412		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	6.99		2.00	1.40	mg/L			10/09/25 16:21	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: DUP-1

Lab Sample ID: 310-317227-11

Date Collected: 10/02/25 00:00

Matrix: Water

Date Received: 10/06/25 05:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 14:27	1
Arsenic	0.319		0.00200	0.000530	mg/L		10/13/25 08:30	10/16/25 18:39	1
Barium	0.151		0.00200	0.000660	mg/L		10/13/25 08:30	10/16/25 18:39	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/16/25 18:39	1
Boron	1.28		0.100	0.0820	mg/L		10/13/25 08:30	10/20/25 16:24	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/16/25 18:39	1
Calcium	289		0.500	0.190	mg/L		10/13/25 08:30	10/16/25 18:39	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/16/25 18:39	1
Cobalt	0.000389 J		0.000500	0.000170	mg/L		10/13/25 08:30	10/16/25 18:39	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/18/25 14:27	1
Lithium	0.0434		0.0100	0.00290	mg/L		10/13/25 08:30	10/16/25 18:39	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/13/25 08:30	10/16/25 18:39	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/16/25 18:39	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/16/25 18:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.340		0.100	0.0490	mg/L			10/08/25 10:43	1
Sulfate (ASTM D516-16)	544		100	36.0	mg/L			10/07/25 11:22	20
Total Dissolved Solids (SM 2540C)	1490		50.0	36.0	mg/L			10/07/25 14:18	1
Chloride (SM 4500 Cl- E)	26.6		2.00	1.40	mg/L			10/09/25 16:21	1

Definitions/Glossary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Qualifiers

Metals

Qualifier	Qualifier Description
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.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-469689/1-A
Matrix: Water
Analysis Batch: 470496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/13/25 08:30	10/17/25 17:03	1
Barium	<0.000660		0.00200	0.000660	mg/L		10/13/25 08:30	10/17/25 17:03	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/17/25 17:03	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/17/25 17:03	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/17/25 17:03	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/13/25 08:30	10/17/25 17:03	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/17/25 17:03	1
Lithium	<0.00290		0.0100	0.00290	mg/L		10/13/25 08:30	10/17/25 17:03	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/13/25 08:30	10/17/25 17:03	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/17/25 17:03	1

Lab Sample ID: MB 310-469689/1-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 12:28	1
Boron	<0.0820		0.100	0.0820	mg/L		10/13/25 08:30	10/18/25 12:28	1
Calcium	<0.190		0.500	0.190	mg/L		10/13/25 08:30	10/18/25 12:28	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/18/25 12:28	1

Lab Sample ID: LCS 310-469689/2-A
Matrix: Water
Analysis Batch: 470496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1898		mg/L		95	80 - 120
Barium	0.100	0.1018		mg/L		102	80 - 120
Beryllium	0.100	0.1029		mg/L		103	80 - 120
Cadmium	0.100	0.09668		mg/L		97	80 - 120
Chromium	0.100	0.1035		mg/L		104	80 - 120
Cobalt	0.100	0.1017		mg/L		102	80 - 120
Iron	0.200	0.1946		mg/L		97	80 - 120
Lead	0.200	0.1988		mg/L		99	80 - 120
Lithium	0.200	0.2015		mg/L		101	80 - 120
Molybdenum	0.200	0.1994		mg/L		100	80 - 120
Selenium	0.400	0.3981		mg/L		100	80 - 120

Lab Sample ID: LCS 310-469689/2-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2177		mg/L		109	80 - 120
Boron	0.200	0.2166		mg/L		108	80 - 120
Calcium	2.00	2.103		mg/L		105	80 - 120
Thallium	0.100	0.1020		mg/L		102	80 - 120

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QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

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

Lab Sample ID: MB 310-469693/1-A
Matrix: Water
Analysis Batch: 470461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/13/25 08:30	10/16/25 18:08	1
Barium	<0.000660		0.00200	0.000660	mg/L		10/13/25 08:30	10/16/25 18:08	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/13/25 08:30	10/16/25 18:08	1
Boron	<0.0820		0.100	0.0820	mg/L		10/13/25 08:30	10/16/25 18:08	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/13/25 08:30	10/16/25 18:08	1
Calcium	<0.190		0.500	0.190	mg/L		10/13/25 08:30	10/16/25 18:08	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/13/25 08:30	10/16/25 18:08	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/13/25 08:30	10/16/25 18:08	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/13/25 08:30	10/16/25 18:08	1
Lithium	<0.00290		0.0100	0.00290	mg/L		10/13/25 08:30	10/16/25 18:08	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/13/25 08:30	10/16/25 18:08	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/13/25 08:30	10/16/25 18:08	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/13/25 08:30	10/16/25 18:08	1

Lab Sample ID: MB 310-469693/1-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/13/25 08:30	10/18/25 13:53	1

Lab Sample ID: LCS 310-469693/2-A
Matrix: Water
Analysis Batch: 470461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.2054		mg/L		103	80 - 120
Barium	0.100	0.09744		mg/L		97	80 - 120
Beryllium	0.100	0.1015		mg/L		102	80 - 120
Boron	0.200	0.2181		mg/L		109	80 - 120
Cadmium	0.100	0.09839		mg/L		98	80 - 120
Calcium	2.00	2.107		mg/L		105	80 - 120
Chromium	0.100	0.1007		mg/L		101	80 - 120
Cobalt	0.100	0.09975		mg/L		100	80 - 120
Iron	0.200	0.2109		mg/L		105	80 - 120
Lead	0.200	0.1982		mg/L		99	80 - 120
Lithium	0.200	0.1826		mg/L		91	80 - 120
Molybdenum	0.200	0.2137		mg/L		107	80 - 120
Selenium	0.400	0.3665		mg/L		92	80 - 120
Thallium	0.100	0.1014		mg/L		101	80 - 120

Lab Sample ID: LCS 310-469693/2-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2091		mg/L		105	80 - 120

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QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

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

Lab Sample ID: 310-317227-7 MS
Matrix: Water
Analysis Batch: 470461

Client Sample ID: MW15
Prep Type: Total/NA
Prep Batch: 469693

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result			Result	Qualifier				
Arsenic	0.00214		0.200	0.2201		mg/L		109	75 - 125
Barium	0.0445		0.100	0.1464		mg/L		102	75 - 125
Beryllium	<0.000330		0.100	0.1005		mg/L		101	75 - 125
Boron	3.14		0.200	3.442	4	mg/L		149	75 - 125
Cadmium	0.000124	J	0.100	0.1019		mg/L		102	75 - 125
Calcium	224		2.00	230.8	4	mg/L		332	75 - 125
Chromium	0.0101		0.100	0.1097		mg/L		100	75 - 125
Cobalt	<0.000170		0.100	0.09728		mg/L		97	75 - 125
Iron	<0.0500	F1	0.200	0.2969	F1	mg/L		148	75 - 125
Lead	<0.000330		0.200	0.1956		mg/L		98	75 - 125
Lithium	0.00738	J	0.200	0.1967		mg/L		95	75 - 125
Molybdenum	0.254	F1	0.200	0.5246	F1	mg/L		135	75 - 125
Selenium	0.0605		0.400	0.4789		mg/L		105	75 - 125
Thallium	<0.000570		0.100	0.09431		mg/L		94	75 - 125

Lab Sample ID: 310-317227-7 MS
Matrix: Water
Analysis Batch: 470580

Client Sample ID: MW15
Prep Type: Total/NA
Prep Batch: 469693

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result			Result	Qualifier				
Antimony	0.00219		0.200	0.2283		mg/L		113	75 - 125

Lab Sample ID: 310-317227-7 MSD
Matrix: Water
Analysis Batch: 470461

Client Sample ID: MW15
Prep Type: Total/NA
Prep Batch: 469693

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result			Result	Qualifier						
Arsenic	0.00214		0.200	0.2243		mg/L		111	75 - 125	2	20
Barium	0.0445		0.100	0.1497		mg/L		105	75 - 125	2	20
Beryllium	<0.000330		0.100	0.1024		mg/L		102	75 - 125	2	20
Cadmium	0.000124	J	0.100	0.1044		mg/L		104	75 - 125	2	20
Calcium	224		2.00	233.3	4	mg/L		459	75 - 125	1	20
Chromium	0.0101		0.100	0.1109		mg/L		101	75 - 125	1	20
Cobalt	<0.000170		0.100	0.09908		mg/L		99	75 - 125	2	20
Iron	<0.0500	F1	0.200	0.2518	F1	mg/L		126	75 - 125	16	20
Lithium	0.00738	J	0.200	0.2042		mg/L		98	75 - 125	4	20
Molybdenum	0.254	F1	0.200	0.5334	F1	mg/L		140	75 - 125	2	20
Selenium	0.0605		0.400	0.4858		mg/L		106	75 - 125	1	20
Thallium	<0.000570		0.100	0.09969		mg/L		100	75 - 125	6	20

Lab Sample ID: 310-317227-7 MSD
Matrix: Water
Analysis Batch: 470580

Client Sample ID: MW15
Prep Type: Total/NA
Prep Batch: 469693

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result			Result	Qualifier						
Antimony	0.00219		0.200	0.2374		mg/L		118	75 - 125	4	20

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QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-470179/1-A
 Matrix: Water
 Analysis Batch: 470410

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 470179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/15/25 14:45	10/16/25 09:08	1

Lab Sample ID: LCS 310-470179/2-A
 Matrix: Water
 Analysis Batch: 470410

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 470179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001636		mg/L		98	80 - 120

Method: 4500 F C-2011 - Fluoride (Ion-selective Electrode)

Lab Sample ID: MB 310-469371/5
 Matrix: Water
 Analysis Batch: 469371

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0490		0.100	0.0490	mg/L			10/08/25 09:43	1

Lab Sample ID: LCS 310-469371/6
 Matrix: Water
 Analysis Batch: 469371

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	1.924		mg/L		96	90 - 110

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-469184/16
 Matrix: Water
 Analysis Batch: 469184

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.80		5.00	1.80	mg/L			10/07/25 11:01	1

Lab Sample ID: MB 310-469184/46
 Matrix: Water
 Analysis Batch: 469184

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.80		5.00	1.80	mg/L			10/07/25 11:14	1

Lab Sample ID: LCS 310-469184/17
 Matrix: Water
 Analysis Batch: 469184

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	8.900		mg/L		89	85 - 115

Eurofins Cedar Falls

QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Method: D516-16 - Sulfate (Continued)

Lab Sample ID: LCS 310-469184/80
Matrix: Water
Analysis Batch: 469184

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.370		mg/L		94	85 - 115

Lab Sample ID: 310-317227-1 MS
Matrix: Water
Analysis Batch: 469184

Client Sample ID: MW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	563		200	702.2		mg/L		69	29 - 150

Lab Sample ID: 310-317227-1 MSD
Matrix: Water
Analysis Batch: 469184

Client Sample ID: MW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	563		200	701.5		mg/L		69	29 - 150	0	25

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

Lab Sample ID: MB 310-469195/1
Matrix: Water
Analysis Batch: 469195

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	<36.0		50.0	36.0	mg/L			10/07/25 14:18	1

Lab Sample ID: LCS 310-469195/2
Matrix: Water
Analysis Batch: 469195

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	998.0		mg/L		100	89 - 110

Lab Sample ID: 310-317227-4 DU
Matrix: Water
Analysis Batch: 469195

Client Sample ID: MW8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1020		990.0		mg/L		3	13

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-469559/16
Matrix: Water
Analysis Batch: 469559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			10/09/25 16:05	1

Eurofins Cedar Falls

QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: MB 310-469559/46
Matrix: Water
Analysis Batch: 469559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			10/09/25 16:17	1

Lab Sample ID: LCS 310-469559/17
Matrix: Water
Analysis Batch: 469559

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	10.24		mg/L		102	90 - 110

Lab Sample ID: LCS 310-469559/47
Matrix: Water
Analysis Batch: 469559

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	9.875		mg/L		99	90 - 110

Lab Sample ID: 310-317227-9 MS
Matrix: Water
Analysis Batch: 469559

Client Sample ID: MW18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.90		10.0	11.82		mg/L		89	26 - 120

Lab Sample ID: 310-317227-9 MSD
Matrix: Water
Analysis Batch: 469559

Client Sample ID: MW18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.90		10.0	11.77		mg/L			-		

QC Association Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Metals

Prep Batch: 469689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	3005A	
310-317227-2	MW5	Total/NA	Water	3005A	
310-317227-3	MW6	Total/NA	Water	3005A	
310-317227-4	MW8	Total/NA	Water	3005A	
310-317227-5	MW9	Total/NA	Water	3005A	
310-317227-6	MW13	Total/NA	Water	3005A	
MB 310-469689/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-469689/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 469693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-7	MW15	Total/NA	Water	3005A	
310-317227-8	MW17	Total/NA	Water	3005A	
310-317227-9	MW18	Total/NA	Water	3005A	
310-317227-10	MW19	Total/NA	Water	3005A	
310-317227-11	DUP-1	Total/NA	Water	3005A	
MB 310-469693/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-469693/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-317227-7 MS	MW15	Total/NA	Water	3005A	
310-317227-7 MSD	MW15	Total/NA	Water	3005A	

Prep Batch: 470179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	7470A	
310-317227-2	MW5	Total/NA	Water	7470A	
310-317227-3	MW6	Total/NA	Water	7470A	
310-317227-4	MW8	Total/NA	Water	7470A	
310-317227-5	MW9	Total/NA	Water	7470A	
310-317227-6	MW13	Total/NA	Water	7470A	
310-317227-7	MW15	Total/NA	Water	7470A	
310-317227-8	MW17	Total/NA	Water	7470A	
310-317227-9	MW18	Total/NA	Water	7470A	
310-317227-10	MW19	Total/NA	Water	7470A	
310-317227-11	DUP-1	Total/NA	Water	7470A	
MB 310-470179/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-470179/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 470410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	7470A	470179
310-317227-2	MW5	Total/NA	Water	7470A	470179
310-317227-3	MW6	Total/NA	Water	7470A	470179
310-317227-4	MW8	Total/NA	Water	7470A	470179
310-317227-5	MW9	Total/NA	Water	7470A	470179
310-317227-6	MW13	Total/NA	Water	7470A	470179
310-317227-7	MW15	Total/NA	Water	7470A	470179
310-317227-8	MW17	Total/NA	Water	7470A	470179
310-317227-9	MW18	Total/NA	Water	7470A	470179
310-317227-10	MW19	Total/NA	Water	7470A	470179
310-317227-11	DUP-1	Total/NA	Water	7470A	470179
MB 310-470179/1-A	Method Blank	Total/NA	Water	7470A	470179

Eurofins Cedar Falls

QC Association Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Metals (Continued)

Analysis Batch: 470410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-470179/2-A	Lab Control Sample	Total/NA	Water	7470A	470179

Analysis Batch: 470461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-7	MW15	Total/NA	Water	6020B	469693
310-317227-8	MW17	Total/NA	Water	6020B	469693
310-317227-9	MW18	Total/NA	Water	6020B	469693
310-317227-10	MW19	Total/NA	Water	6020B	469693
310-317227-11	DUP-1	Total/NA	Water	6020B	469693
MB 310-469693/1-A	Method Blank	Total/NA	Water	6020B	469693
LCS 310-469693/2-A	Lab Control Sample	Total/NA	Water	6020B	469693
310-317227-7 MS	MW15	Total/NA	Water	6020B	469693
310-317227-7 MSD	MW15	Total/NA	Water	6020B	469693

Analysis Batch: 470496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	6020B	469689
310-317227-2	MW5	Total/NA	Water	6020B	469689
310-317227-3	MW6	Total/NA	Water	6020B	469689
310-317227-4	MW8	Total/NA	Water	6020B	469689
310-317227-5	MW9	Total/NA	Water	6020B	469689
310-317227-6	MW13	Total/NA	Water	6020B	469689
MB 310-469689/1-A	Method Blank	Total/NA	Water	6020B	469689
LCS 310-469689/2-A	Lab Control Sample	Total/NA	Water	6020B	469689

Analysis Batch: 470580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	6020B	469689
310-317227-2	MW5	Total/NA	Water	6020B	469689
310-317227-3	MW6	Total/NA	Water	6020B	469689
310-317227-4	MW8	Total/NA	Water	6020B	469689
310-317227-5	MW9	Total/NA	Water	6020B	469689
310-317227-6	MW13	Total/NA	Water	6020B	469689
310-317227-7	MW15	Total/NA	Water	6020B	469693
310-317227-8	MW17	Total/NA	Water	6020B	469693
310-317227-9	MW18	Total/NA	Water	6020B	469693
310-317227-10	MW19	Total/NA	Water	6020B	469693
310-317227-11	DUP-1	Total/NA	Water	6020B	469693
MB 310-469689/1-A	Method Blank	Total/NA	Water	6020B	469689
MB 310-469693/1-A	Method Blank	Total/NA	Water	6020B	469693
LCS 310-469689/2-A	Lab Control Sample	Total/NA	Water	6020B	469689
LCS 310-469693/2-A	Lab Control Sample	Total/NA	Water	6020B	469693
310-317227-7 MS	MW15	Total/NA	Water	6020B	469693
310-317227-7 MSD	MW15	Total/NA	Water	6020B	469693

Analysis Batch: 470727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-2	MW5	Total/NA	Water	6020B	469689

Eurofins Cedar Falls

QC Association Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Metals

Analysis Batch: 470761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-8	MW17	Total/NA	Water	6020B	469693
310-317227-9	MW18	Total/NA	Water	6020B	469693
310-317227-10	MW19	Total/NA	Water	6020B	469693
310-317227-11	DUP-1	Total/NA	Water	6020B	469693

General Chemistry

Analysis Batch: 469184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	D516-16	
310-317227-2	MW5	Total/NA	Water	D516-16	
310-317227-3	MW6	Total/NA	Water	D516-16	
310-317227-4	MW8	Total/NA	Water	D516-16	
310-317227-5	MW9	Total/NA	Water	D516-16	
310-317227-6	MW13	Total/NA	Water	D516-16	
310-317227-7	MW15	Total/NA	Water	D516-16	
310-317227-8	MW17	Total/NA	Water	D516-16	
310-317227-9	MW18	Total/NA	Water	D516-16	
310-317227-10	MW19	Total/NA	Water	D516-16	
310-317227-11	DUP-1	Total/NA	Water	D516-16	
MB 310-469184/16	Method Blank	Total/NA	Water	D516-16	
MB 310-469184/46	Method Blank	Total/NA	Water	D516-16	
LCS 310-469184/17	Lab Control Sample	Total/NA	Water	D516-16	
LCS 310-469184/80	Lab Control Sample	Total/NA	Water	D516-16	
310-317227-1 MS	MW2	Total/NA	Water	D516-16	
310-317227-1 MSD	MW2	Total/NA	Water	D516-16	

Analysis Batch: 469195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	SM 2540C	
310-317227-2	MW5	Total/NA	Water	SM 2540C	
310-317227-3	MW6	Total/NA	Water	SM 2540C	
310-317227-4	MW8	Total/NA	Water	SM 2540C	
310-317227-5	MW9	Total/NA	Water	SM 2540C	
310-317227-6	MW13	Total/NA	Water	SM 2540C	
310-317227-7	MW15	Total/NA	Water	SM 2540C	
310-317227-8	MW17	Total/NA	Water	SM 2540C	
310-317227-9	MW18	Total/NA	Water	SM 2540C	
310-317227-10	MW19	Total/NA	Water	SM 2540C	
310-317227-11	DUP-1	Total/NA	Water	SM 2540C	
MB 310-469195/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-469195/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-317227-4 DU	MW8	Total/NA	Water	SM 2540C	

Analysis Batch: 469371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	4500 F C-2011	
310-317227-2	MW5	Total/NA	Water	4500 F C-2011	
310-317227-3	MW6	Total/NA	Water	4500 F C-2011	
310-317227-4	MW8	Total/NA	Water	4500 F C-2011	
310-317227-5	MW9	Total/NA	Water	4500 F C-2011	

Eurofins Cedar Falls

QC Association Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

General Chemistry (Continued)

Analysis Batch: 469371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-6	MW13	Total/NA	Water	4500 F C-2011	
310-317227-7	MW15	Total/NA	Water	4500 F C-2011	
310-317227-8	MW17	Total/NA	Water	4500 F C-2011	
310-317227-9	MW18	Total/NA	Water	4500 F C-2011	
310-317227-10	MW19	Total/NA	Water	4500 F C-2011	
310-317227-11	DUP-1	Total/NA	Water	4500 F C-2011	
MB 310-469371/5	Method Blank	Total/NA	Water	4500 F C-2011	
LCS 310-469371/6	Lab Control Sample	Total/NA	Water	4500 F C-2011	

Analysis Batch: 469559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	SM 4500 Cl- E	
310-317227-2	MW5	Total/NA	Water	SM 4500 Cl- E	
310-317227-3	MW6	Total/NA	Water	SM 4500 Cl- E	
310-317227-4	MW8	Total/NA	Water	SM 4500 Cl- E	
310-317227-5	MW9	Total/NA	Water	SM 4500 Cl- E	
310-317227-6	MW13	Total/NA	Water	SM 4500 Cl- E	
310-317227-7	MW15	Total/NA	Water	SM 4500 Cl- E	
310-317227-8	MW17	Total/NA	Water	SM 4500 Cl- E	
310-317227-9	MW18	Total/NA	Water	SM 4500 Cl- E	
310-317227-10	MW19	Total/NA	Water	SM 4500 Cl- E	
310-317227-11	DUP-1	Total/NA	Water	SM 4500 Cl- E	
MB 310-469559/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 310-469559/46	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-469559/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 310-469559/47	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
310-317227-9 MS	MW18	Total/NA	Water	SM 4500 Cl- E	
310-317227-9 MSD	MW18	Total/NA	Water	SM 4500 Cl- E	

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW2

Date Collected: 10/02/25 19:14

Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470496	ZRI4	EET CF	10/17/25 17:09
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 12:33
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:33
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:04
Total/NA	Analysis	D516-16		20	469184	WZC8	EET CF	10/07/25 11:15
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:12

Client Sample ID: MW5

Date Collected: 10/03/25 13:14

Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470496	ZRI4	EET CF	10/17/25 17:11
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 12:36
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		4	470727	NFT2	EET CF	10/20/25 13:13
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:35
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:07
Total/NA	Analysis	D516-16		50	469184	WZC8	EET CF	10/07/25 11:17
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:12

Client Sample ID: MW6

Date Collected: 10/03/25 10:06

Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470496	ZRI4	EET CF	10/17/25 17:14
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 12:39
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:37
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:11
Total/NA	Analysis	D516-16		20	469184	WZC8	EET CF	10/07/25 11:17
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		10	469559	WZC8	EET CF	10/09/25 16:13

Eurofins Cedar Falls

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW8

Date Collected: 10/03/25 11:04

Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470496	ZRI4	EET CF	10/17/25 17:17
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 12:42
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:40
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:21
Total/NA	Analysis	D516-16		20	469184	WZC8	EET CF	10/07/25 11:18
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:13

Client Sample ID: MW9

Date Collected: 10/02/25 15:13

Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470496	ZRI4	EET CF	10/17/25 17:20
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 12:50
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:42
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:24
Total/NA	Analysis	D516-16		1	469184	WZC8	EET CF	10/07/25 11:18
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		10	469559	WZC8	EET CF	10/09/25 16:15

Client Sample ID: MW13

Date Collected: 10/02/25 16:48

Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470496	ZRI4	EET CF	10/17/25 17:23
Total/NA	Prep	3005A			469689	QTZ5	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 12:53
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:44
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:27
Total/NA	Analysis	D516-16		50	469184	WZC8	EET CF	10/07/25 11:19
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:15

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW15
Date Collected: 10/03/25 09:12
Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470461	NFT2	EET CF	10/16/25 18:14
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 14:10
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:46
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:30
Total/NA	Analysis	D516-16		20	469184	WZC8	EET CF	10/07/25 11:19
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:16

Client Sample ID: MW17
Date Collected: 10/03/25 12:03
Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 16:17
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470461	NFT2	EET CF	10/16/25 18:31
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 14:19
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:48
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:33
Total/NA	Analysis	D516-16		100	469184	WZC8	EET CF	10/07/25 11:31
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:16

Client Sample ID: MW18
Date Collected: 10/02/25 13:01
Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 16:19
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470461	NFT2	EET CF	10/16/25 18:33
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 14:21
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:54
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:36
Total/NA	Analysis	D516-16		1	469184	WZC8	EET CF	10/07/25 11:20

Eurofins Cedar Falls

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Client Sample ID: MW18
Date Collected: 10/02/25 13:01
Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:18

Client Sample ID: MW19
Date Collected: 10/02/25 14:00
Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 16:22
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470461	NFT2	EET CF	10/16/25 18:36
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 14:24
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:57
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:40
Total/NA	Analysis	D516-16		1	469184	WZC8	EET CF	10/07/25 11:20
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:21

Client Sample ID: DUP-1
Date Collected: 10/02/25 00:00
Date Received: 10/06/25 05:30

Lab Sample ID: 310-317227-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 16:24
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470461	NFT2	EET CF	10/16/25 18:39
Total/NA	Prep	3005A			469693	RLT9	EET CF	10/13/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 14:27
Total/NA	Prep	7470A			470179	RLT9	EET CF	10/15/25 14:45
Total/NA	Analysis	7470A		1	470410	RLT9	EET CF	10/16/25 09:59
Total/NA	Analysis	4500 F C-2011		1	469371	WZC8	EET CF	10/08/25 10:43
Total/NA	Analysis	D516-16		20	469184	WZC8	EET CF	10/07/25 11:22
Total/NA	Analysis	SM 2540C		1	469195	ENB7	EET CF	10/07/25 14:18
Total/NA	Analysis	SM 4500 CI- E		1	469559	WZC8	EET CF	10/09/25 16:21

Laboratory References:

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

Accreditation/Certification Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

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: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
4500 F C-2011	Fluoride (Ion-selective Electrode)	SM	EET CF
D516-16	Sulfate	ASTM	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 Cl- E	Chloride, Total	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF

Protocol References:

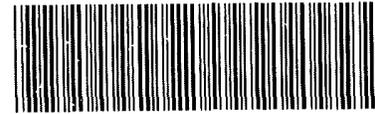
ASTM = ASTM International

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



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Omaha Public Power</u>			
City/State.	CITY	STATE	Project:
		<u>NE</u>	
Receipt Information			
Date/Time Received	DATE	TIME	Received By
	<u>10/6/25</u>	<u>0530</u>	<u>[Signature]</u>
Delivery Type. <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID.	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes. Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID	<u>R</u>	Correction Factor (°C):	<u>700</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>49</u>	Corrected Temp (°C):	<u>49</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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Omaha Public Power</u>			
City/State:	CITY	STATE	Project:
		<u>NE</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>10-6-25</u>	<u>0530</u>	<u>n</u>
Delivery Type <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler ID.</i>			
Multiple Coolers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler # <u>2</u> of <u>5</u></i>			
Cooler Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Which VOA samples are in cooler? ↓</i>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>R</u>		Correction Factor (°C): <u>+0.2</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.5</u>		Corrected Temp (°C): <u>1.5</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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			





Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Omaha Public Power</u>			
City/State:	CITY	STATE	Project
		<u>NE</u>	
Receipt Information			
Date/Time Received.	DATE	TIME	Received By:
	<u>10/6/25</u>	<u>0530</u>	<u>[Signature]</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler ID</i>			
Multiple Coolers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler # <u>3</u> of <u>3</u></i>			
Cooler Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes. Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Which VOA samples are in cooler? ↓</i>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>R</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>4.3</u>		Corrected Temp (°C): <u>4.3</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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) <i>If yes: Is there evidence that the chilling process began?</i> <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Client Information		Sampler		Lab PM		Carrier Tracking No(s):		COC No		
Omaha Public Power District		Kyle K. Uhing		Hayes, Shawn M						
Address: 444 South 16th Street Mail 95/EP1		Phone: (531) 226-2515		E-Mail: shawn_hayes@testamericainc.com				Page:		
City: Omaha		Due Date Requested		Field Filtered Sample (Yes or No)		Total Number of Containers		Job #:		
State Zip: NE, 68102-2247		TAT Requested (days):		9316 Ra226, 9320 Ra228, Combined Ra226 and Ra228				Preservation Codes:		
Phone: (531) 226-2515		PO #:		2540C TDS, 9056A Chloride, Fluoride, Sulfate				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
Email: kkuhing@pppd.com		WO #:		Perform MS/MSD (Yes or No)				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		
Project Name: North Omaha Station CCR		TestAmerica Project #:		D				Special Instructions/Note:		
Site: North Omaha Station		SSOW#:		N				CCR Appendix III and IV Constituents		
Sample Identification	Sample Date	Sample Time	Sample Type (G=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9316 Ra226, 9320 Ra228, Combined Ra226 and Ra228	2540C TDS, 9056A Chloride, Fluoride, Sulfate	Total Number of Containers	Special Instructions/Note:
MW2	10/2/25	9:14	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW5	10/3/25	12:14	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW6	10/3/25	10:06	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW8	10/3/25	11:04	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW9	10/2/25	15:13	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW13	10/2/25	10:45	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW15	10/3/25	9:12	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW17	10/3/25	12:03	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW18	10/2/25	13:01	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW19	10/2/25	14:00	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
DUP1	10/2/25	-	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements.

Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____

Relinquished by: *Kyle K. Uhing* 10/3/2025 14:20 Date/Time: 10/3/2025 14:20 Company: *OPD*
 Relinquished by: *Kyle K. Uhing* 10-2-25 0800 Date/Time: 10-2-25 0800 Company: *ET*
 Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317227-1

Login Number: 317227

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Cedar Falls



ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Uhing
Omaha Public Power District
Attn: Accounts Payable, 4E/EP-5
444 South 16th Street Mall
Omaha, Nebraska 68102-2247

Generated 11/10/2025 2:29:07 PM

JOB DESCRIPTION

North Omaha Station CCR

JOB NUMBER

310-317227-2

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
11/10/2025 2:29:07 PM

Authorized for release by
Bob Michels, Project Manager I
Bob.Michels@et.eurofinsus.com
(319)277-2401



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Case Narrative

Client: Omaha Public Power District
Project: North Omaha Station CCR

Job ID: 310-317227-2

Job ID: 310-317227-2

Eurofins Cedar Falls

Job Narrative 310-317227-2

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 10/6/2025 5:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5°C, 4.3°C and 4.9°C.

Gas Flow Proportional Counter

Method 9320_Ra228: Radium 228 Batch 740343

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. MW9 (310-317227-5)

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

Rad

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: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-317227-1	MW2	Water	10/02/25 19:14	10/06/25 05:30	Nebraska
310-317227-2	MW5	Water	10/03/25 13:14	10/06/25 05:30	Nebraska
310-317227-3	MW6	Water	10/03/25 10:06	10/06/25 05:30	Nebraska
310-317227-4	MW8	Water	10/03/25 11:04	10/06/25 05:30	Nebraska
310-317227-5	MW9	Water	10/02/25 15:13	10/06/25 05:30	Nebraska
310-317227-6	MW13	Water	10/02/25 16:48	10/06/25 05:30	Nebraska
310-317227-7	MW15	Water	10/03/25 09:12	10/06/25 05:30	Nebraska
310-317227-8	MW17	Water	10/03/25 12:03	10/06/25 05:30	Nebraska
310-317227-9	MW18	Water	10/02/25 13:01	10/06/25 05:30	Nebraska
310-317227-10	MW19	Water	10/02/25 14:00	10/06/25 05:30	Nebraska
310-317227-11	DUP-1	Water	10/02/25 00:00	10/06/25 05:30	Nebraska

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Detection Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW2 **Lab Sample ID: 310-317227-1**

No Detections.

Client Sample ID: MW5 **Lab Sample ID: 310-317227-2**

No Detections.

Client Sample ID: MW6 **Lab Sample ID: 310-317227-3**

No Detections.

Client Sample ID: MW8 **Lab Sample ID: 310-317227-4**

No Detections.

Client Sample ID: MW9 **Lab Sample ID: 310-317227-5**

No Detections.

Client Sample ID: MW13 **Lab Sample ID: 310-317227-6**

No Detections.

Client Sample ID: MW15 **Lab Sample ID: 310-317227-7**

No Detections.

Client Sample ID: MW17 **Lab Sample ID: 310-317227-8**

No Detections.

Client Sample ID: MW18 **Lab Sample ID: 310-317227-9**

No Detections.

Client Sample ID: MW19 **Lab Sample ID: 310-317227-10**

No Detections.

Client Sample ID: DUP-1 **Lab Sample ID: 310-317227-11**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW2

Lab Sample ID: 310-317227-1

Date Collected: 10/02/25 19:14

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.293	U	0.245	0.246	1.00	0.365	pCi/L	10/13/25 08:09	11/06/25 18:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.7		30 - 110					10/13/25 08:09	11/06/25 18:09	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.606		0.400	0.404	1.00	0.591	pCi/L	10/13/25 08:13	11/06/25 11:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.7		30 - 110					10/13/25 08:13	11/06/25 11:40	1
Y Carrier	80.7		30 - 110					10/13/25 08:13	11/06/25 11:40	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.898		0.469	0.473	5.00	0.591	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW5

Lab Sample ID: 310-317227-2

Date Collected: 10/03/25 13:14

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123	U	0.219	0.219	1.00	0.384	pCi/L	10/13/25 07:57	11/09/25 13:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/13/25 07:57	11/09/25 13:36	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.187	U	0.312	0.312	1.00	0.534	pCi/L	10/13/25 08:01	11/09/25 10:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/13/25 08:01	11/09/25 10:55	1
Y Carrier	82.2		30 - 110					10/13/25 08:01	11/09/25 10:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.310	U	0.381	0.381	5.00	0.534	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW6

Lab Sample ID: 310-317227-3

Date Collected: 10/03/25 10:06

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.228	U	0.203	0.204	1.00	0.304	pCi/L	10/13/25 07:57	11/09/25 13:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					10/13/25 07:57	11/09/25 13:37	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.419	0.430	1.00	0.539	pCi/L	10/13/25 08:01	11/09/25 10:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					10/13/25 08:01	11/09/25 10:55	1
Y Carrier	80.0		30 - 110					10/13/25 08:01	11/09/25 10:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.27		0.466	0.476	5.00	0.539	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW8

Lab Sample ID: 310-317227-4

Date Collected: 10/03/25 11:04

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0914	U	0.190	0.190	1.00	0.342	pCi/L	10/13/25 07:57	11/09/25 13:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					10/13/25 07:57	11/09/25 13:37	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.174	U	0.323	0.324	1.00	0.558	pCi/L	10/13/25 08:01	11/09/25 10:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					10/13/25 08:01	11/09/25 10:55	1
Y Carrier	80.0		30 - 110					10/13/25 08:01	11/09/25 10:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.265	U	0.375	0.376	5.00	0.558	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW9

Lab Sample ID: 310-317227-5

Date Collected: 10/02/25 15:13

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.551	U	0.542	0.544	1.00	0.846	pCi/L	10/13/25 07:57	11/09/25 13:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.8		30 - 110					10/13/25 07:57	11/09/25 13:37	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.17	G	1.03	1.05	1.00	1.41	pCi/L	10/13/25 08:01	11/09/25 10:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.8		30 - 110					10/13/25 08:01	11/09/25 10:55	1
Y Carrier	82.2		30 - 110					10/13/25 08:01	11/09/25 10:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.72		1.16	1.18	5.00	1.41	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW13

Lab Sample ID: 310-317227-6

Date Collected: 10/02/25 16:48

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0885	U	0.194	0.194	1.00	0.351	pCi/L	10/13/25 07:57	11/09/25 13:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					10/13/25 07:57	11/09/25 13:37	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.436	U	0.335	0.337	1.00	0.510	pCi/L	10/13/25 08:01	11/09/25 10:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					10/13/25 08:01	11/09/25 10:57	1
Y Carrier	78.9		30 - 110					10/13/25 08:01	11/09/25 10:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.525		0.387	0.389	5.00	0.510	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW15

Lab Sample ID: 310-317227-7

Date Collected: 10/03/25 09:12

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.302	U	0.232	0.233	1.00	0.336	pCi/L	10/13/25 07:57	11/09/25 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					10/13/25 07:57	11/09/25 13:39	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.162	U	0.328	0.328	1.00	0.569	pCi/L	10/13/25 08:01	11/09/25 10:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					10/13/25 08:01	11/09/25 10:57	1
Y Carrier	78.1		30 - 110					10/13/25 08:01	11/09/25 10:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.463	U	0.402	0.402	5.00	0.569	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW17

Lab Sample ID: 310-317227-8

Date Collected: 10/03/25 12:03

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.339		0.225	0.227	1.00	0.298	pCi/L	10/13/25 07:57	11/09/25 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					10/13/25 07:57	11/09/25 13:39	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.33		0.497	0.512	1.00	0.648	pCi/L	10/13/25 08:01	11/09/25 10:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					10/13/25 08:01	11/09/25 10:57	1
Y Carrier	80.7		30 - 110					10/13/25 08:01	11/09/25 10:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.67		0.546	0.560	5.00	0.648	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW18

Lab Sample ID: 310-317227-9

Date Collected: 10/02/25 13:01

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.388	U	0.324	0.325	1.00	0.483	pCi/L	10/13/25 07:57	11/09/25 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					10/13/25 07:57	11/09/25 13:39	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.648	U	0.509	0.513	1.00	0.788	pCi/L	10/13/25 08:01	11/09/25 10:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					10/13/25 08:01	11/09/25 10:57	1
Y Carrier	80.0		30 - 110					10/13/25 08:01	11/09/25 10:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.04		0.603	0.607	5.00	0.788	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW19

Lab Sample ID: 310-317227-10

Date Collected: 10/02/25 14:00

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.832		0.326	0.335	1.00	0.347	pCi/L	10/13/25 07:57	11/09/25 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					10/13/25 07:57	11/09/25 13:39	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.18		0.428	0.441	1.00	0.522	pCi/L	10/13/25 08:01	11/09/25 10:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					10/13/25 08:01	11/09/25 10:57	1
Y Carrier	83.0		30 - 110					10/13/25 08:01	11/09/25 10:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.01		0.538	0.554	5.00	0.522	pCi/L		11/10/25 13:48	1

Client Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: DUP-1

Lab Sample ID: 310-317227-11

Date Collected: 10/02/25 00:00

Matrix: Water

Date Received: 10/06/25 05:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.187	U	0.176	0.177	1.00	0.263	pCi/L	10/13/25 07:57	11/09/25 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					10/13/25 07:57	11/09/25 13:39	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.628		0.380	0.385	1.00	0.555	pCi/L	10/13/25 08:01	11/09/25 10:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					10/13/25 08:01	11/09/25 10:57	1
Y Carrier	79.3		30 - 110					10/13/25 08:01	11/09/25 10:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.815		0.419	0.424	5.00	0.555	pCi/L		11/10/25 13:48	1

Definitions/Glossary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

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: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-740342/1-A
Matrix: Water
Analysis Batch: 744399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740342

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	-0.05818	U	0.156	0.156	1.00	0.354	pCi/L	10/13/25 07:57	11/09/25 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					10/13/25 07:57	11/09/25 13:35	1

Lab Sample ID: LCS 160-740342/2-A
Matrix: Water
Analysis Batch: 744399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740342

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	8.008		1.16	1.00	0.459	pCi/L	84	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	88.0		30 - 110						

Lab Sample ID: 310-317227-3 DU
Matrix: Water
Analysis Batch: 744399

Client Sample ID: MW6
Prep Type: Total/NA
Prep Batch: 740342

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.228	U	0.1878	U	0.186	1.00	0.287	pCi/L	0.10	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	96.4		30 - 110							

Lab Sample ID: MB 160-740346/1-A
Matrix: Water
Analysis Batch: 744083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740346

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	-0.04909	U	0.0837	0.0839	1.00	0.243	pCi/L	10/13/25 08:09	11/06/25 19:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.2		30 - 110					10/13/25 08:09	11/06/25 19:00	1

Lab Sample ID: LCS 160-740346/2-A
Matrix: Water
Analysis Batch: 744083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740346

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	8.732		1.15	1.00	0.222	pCi/L	91	75 - 125

Eurofins Cedar Falls

QC Sample Results

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-740346/2-A
Matrix: Water
Analysis Batch: 744083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740346

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.3		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-740343/1-A
Matrix: Water
Analysis Batch: 744399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740343

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.2105	U	0.322	0.322	1.00	0.643	pCi/L	10/13/25 08:01	11/09/25 10:54	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110	10/13/25 08:01	11/09/25 10:54	1
Y Carrier	82.2		30 - 110	10/13/25 08:01	11/09/25 10:54	1

Lab Sample ID: LCS 160-740343/2-A
Matrix: Water
Analysis Batch: 744399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740343

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	7.94	7.434		1.12	1.00	0.552	pCi/L	94	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.0		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: 310-317227-3 DU
Matrix: Water
Analysis Batch: 744399

Client Sample ID: MW6
Prep Type: Total/NA
Prep Batch: 740343

Analyte	Sample Sample		DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-228	1.04		0.3154	U	0.403	1.00	0.667	pCi/L	0.88	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	96.4		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-740347/1-A
Matrix: Water
Analysis Batch: 744070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740347

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.2308	U	0.446	0.446	1.00	0.769	pCi/L	10/13/25 08:13	11/06/25 11:47	1

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QC Sample Results

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-740347/1-A
 Matrix: Water
 Analysis Batch: 744070

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 740347

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	70.2		30 - 110	10/13/25 08:13	11/06/25 11:47	1
Y Carrier	78.5		30 - 110	10/13/25 08:13	11/06/25 11:47	1

Lab Sample ID: LCS 160-740347/2-A
 Matrix: Water
 Analysis Batch: 744070

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 740347

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	80.3		30 - 110
Y Carrier	77.8		30 - 110

QC Association Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Rad

Prep Batch: 740342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-2	MW5	Total/NA	Water	PrecSep-21	
310-317227-3	MW6	Total/NA	Water	PrecSep-21	
310-317227-4	MW8	Total/NA	Water	PrecSep-21	
310-317227-5	MW9	Total/NA	Water	PrecSep-21	
310-317227-6	MW13	Total/NA	Water	PrecSep-21	
310-317227-7	MW15	Total/NA	Water	PrecSep-21	
310-317227-8	MW17	Total/NA	Water	PrecSep-21	
310-317227-9	MW18	Total/NA	Water	PrecSep-21	
310-317227-10	MW19	Total/NA	Water	PrecSep-21	
310-317227-11	DUP-1	Total/NA	Water	PrecSep-21	
MB 160-740342/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-740342/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
310-317227-3 DU	MW6	Total/NA	Water	PrecSep-21	

Prep Batch: 740343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-2	MW5	Total/NA	Water	PrecSep_0	
310-317227-3	MW6	Total/NA	Water	PrecSep_0	
310-317227-4	MW8	Total/NA	Water	PrecSep_0	
310-317227-5	MW9	Total/NA	Water	PrecSep_0	
310-317227-6	MW13	Total/NA	Water	PrecSep_0	
310-317227-7	MW15	Total/NA	Water	PrecSep_0	
310-317227-8	MW17	Total/NA	Water	PrecSep_0	
310-317227-9	MW18	Total/NA	Water	PrecSep_0	
310-317227-10	MW19	Total/NA	Water	PrecSep_0	
310-317227-11	DUP-1	Total/NA	Water	PrecSep_0	
MB 160-740343/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-740343/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
310-317227-3 DU	MW6	Total/NA	Water	PrecSep_0	

Prep Batch: 740346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	PrecSep-21	
MB 160-740346/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-740346/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 740347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317227-1	MW2	Total/NA	Water	PrecSep_0	
MB 160-740347/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-740347/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW2

Lab Sample ID: 310-317227-1

Date Collected: 10/02/25 19:14

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740346	AMS	EET SL	10/13/25 08:09
Total/NA	Analysis	9315		1	744071	SWS	EET SL	11/06/25 18:09
Total/NA	Prep	PrecSep_0			740347	AMS	EET SL	10/13/25 08:13
Total/NA	Analysis	9320		1	744085	SWS	EET SL	11/06/25 11:40
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW5

Lab Sample ID: 310-317227-2

Date Collected: 10/03/25 13:14

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:36
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:55
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW6

Lab Sample ID: 310-317227-3

Date Collected: 10/03/25 10:06

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:37
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:55
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW8

Lab Sample ID: 310-317227-4

Date Collected: 10/03/25 11:04

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:37
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:55
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW9

Lab Sample ID: 310-317227-5

Date Collected: 10/02/25 15:13

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:37
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:55
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW13

Lab Sample ID: 310-317227-6

Date Collected: 10/02/25 16:48

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:37
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:57
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW15

Lab Sample ID: 310-317227-7

Date Collected: 10/03/25 09:12

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:39
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:57
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW17

Lab Sample ID: 310-317227-8

Date Collected: 10/03/25 12:03

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:39
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:57
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Lab Chronicle

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Client Sample ID: MW18

Lab Sample ID: 310-317227-9

Date Collected: 10/02/25 13:01

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:39
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:57
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: MW19

Lab Sample ID: 310-317227-10

Date Collected: 10/02/25 14:00

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:39
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:57
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Client Sample ID: DUP-1

Lab Sample ID: 310-317227-11

Date Collected: 10/02/25 00:00

Matrix: Water

Date Received: 10/06/25 05:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740342	AMS	EET SL	10/13/25 07:57
Total/NA	Analysis	9315		1	744399	SWS	EET SL	11/09/25 13:39
Total/NA	Prep	PrecSep_0			740343	AMS	EET SL	10/13/25 08:01
Total/NA	Analysis	9320		1	744399	SWS	EET SL	11/09/25 10:57
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/10/25 13:48

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25 *
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Omaha Public Power District
Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

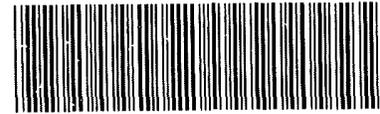
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566





Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Amaha Public Power</u>			
City/State.	CITY	STATE	Project:
		<u>NE</u>	
Receipt Information			
Date/Time Received	DATE	TIME	Received By
	<u>10/6/25</u>	<u>0530</u>	<u>R</u>
Delivery Type. <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID.	
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler # <u>1</u> of <u>3</u>	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes. Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID	<u>R</u>	Correction Factor (°C):	<u>700</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<u>49</u>	Corrected Temp (°C):	<u>49</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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Omaha Public Power</u>			
City/State:	CITY	STATE	Project:
		<u>NE</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>10-6-25</u>	<u>0530</u>	<u>n</u>
Delivery Type <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler ID.</i>			
Multiple Coolers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler # <u>2</u> of <u>5</u></i>			
Cooler Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Which VOA samples are in cooler? ↓</i>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>R</u>		Correction Factor (°C): <u>+0.2</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.5</u>		Corrected Temp (°C): <u>1.5</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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			





Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Omaha Public Power</u>			
City/State:	CITY	STATE	Project
		<u>NE</u>	
Receipt Information			
Date/Time Received.	DATE	TIME	Received By:
	<u>10/6/25</u>	<u>0530</u>	<u>[Signature]</u>
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee			
<input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler ID</i>			
Multiple Coolers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes: Cooler # <u>3</u> of <u>3</u></i>			
Cooler Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes. Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Sample Custody Seals Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No</i>			
Trip Blank Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes: Which VOA samples are in cooler? ↓</i>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>R</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>4.3</u>		Corrected Temp (°C): <u>4.3</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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) <i>If yes: Is there evidence that the chilling process began?</i> <input type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



Chain of Custody Record

en 2
ha SC

Client Information		Sampler		Lab PM		Carrier Tracking No(s):		COC No		
Omaha Public Power District		Kyle K. Uhing		Hayes, Shawn M						
Address: 444 South 16th Street Mail 95/EP1		Phone: (531) 226-2515		E-Mail: shawn_hayes@testamericainc.com				Page:		
City: Omaha		Due Date Requested		Field Filtered Sample (Yes or No)		Total Number of Containers		Job #:		
State Zip: NE, 68102-2247		TAT Requested (days):		9316 Ra226, 9320 Ra228, Combined Ra226 and Ra228				Preservation Codes:		
Phone: (531) 226-2515		PO #:		2540C TDS, 9056A Chloride, Fluoride, Sulfate				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
Email: kkuhing@pppd.com		WO #:		Perform MS/MSD (Yes or No)				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		
Project Name: North Omaha Station CCR		TestAmerica Project #:		D				Special Instructions/Note:		
Site: North Omaha Station		SSOW#:		N				CCR Appendix III and IV Constituents		
Sample Identification	Sample Date	Sample Time	Sample Type (G=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9316 Ra226, 9320 Ra228, Combined Ra226 and Ra228	2540C TDS, 9056A Chloride, Fluoride, Sulfate	Total Number of Containers	Special Instructions/Note:
MW2	10/2/25	9:14	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW5	10/3/25	12:14	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW6	10/3/25	10:06	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW8	10/3/25	11:04	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW9	10/2/25	15:13	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW13	10/2/25	10:45	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW15	10/3/25	9:12	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW17	10/3/25	12:03	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW18	10/2/25	13:01	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
MW19	10/2/25	14:00	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents
DUP1	10/2/25	-	G	W	N	X	X	X	4	CCR Appendix III and IV Constituents

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: *Kyle K. Uhing* 10/3/2025 14:20 Date/Time: 10/3/2025 14:20 Company: ORP
 Relinquished by: *[Signature]* 10-4-25 0800 Date/Time: 10-4-25 0800 Company: ET
 Relinquished by: _____ Date/Time: _____ Company: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements.

Method of Shipment: _____
 Received by: _____ Date/Time: 10-3-25 14:25 Company: ET
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: 10-6-25 0530 Company: _____

Cooler Temperature(s) °C and Other Remarks: _____
 Custody Seal No. _____
 Δ Yes Δ No



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Michels, Bob C	Carrier Tracking No(s): N/A	COC No: 310-87507.1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Bob.Michels@et.eurofinsus.com	State of Origin: Nebraska	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 310-317227-2	Preservation Codes:
Address: 13715 Rider Trail North, Earth City, MO, 63045		Due Date Requested: 11/10/2025		Analysis Requested:	
City: Earth City		TAT Requested (days): N/A		915 Ra226/PreCsep_21 Standard Target List	
State: MO		PO #: N/A		930 Ra228/PreCsep_21 Standard Target List	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #: N/A		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	
Email: N/A		Project #: 31007560		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	
Project Name: North Omaha Station CCR		SSOW#: N/A		Total Number of Containers	
Site: N/A				Other: N/A	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	915 Ra226/PreCsep_21 Standard Target List	930 Ra228/PreCsep_21 Standard Target List	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	915 Ra226/PreCsep_21 Standard Target List	930 Ra228/PreCsep_21 Standard Target List	Total Number of Containers	Special Instructions/Note:
MW2 (310-317227-1)	10/2/25	19:14 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW5 (310-317227-2)	10/3/25	13:14 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW6 (310-317227-3)	10/3/25	10:06 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW8 (310-317227-4)	10/3/25	11:04 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW9 (310-317227-5)	10/2/25	15:13 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW13 (310-317227-6)	10/2/25	16:48 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW15 (310-317227-7)	10/3/25	09:12 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW17 (310-317227-8)	10/3/25	12:03 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	
MW18 (310-317227-9)	10/2/25	13:01 Central	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environmental Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environmental Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environmental Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the Signed Chain of Custody attesting to said compliance to Eurofins Environmental Testing North Central, LLC.

Possible Hazard Identification
 Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: Date: _____

Relinquished by: *TR* Date/Time: 10/6/25 13:05 Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: _____

Received by: *Cheyenne Forrest* Date/Time: 08/30 OCT 08 2025 Company: _____

Received by: *Cheyenne Forrest* Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317227-2

Login Number: 317227

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.



Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317227-2

Login Number: 317227

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 10/08/25 12:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ 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	
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?	N/A	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.



Tracer/Carrier Summary

Client: Omaha Public Power District
 Project/Site: North Omaha Station CCR

Job ID: 310-317227-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
310-317227-1	MW2	75.7	
310-317227-2	MW5	86.6	
310-317227-3	MW6	93.7	
310-317227-3 DU	MW6	96.4	
310-317227-4	MW8	91.0	
310-317227-5	MW9	70.8	
310-317227-6	MW13	92.6	
310-317227-7	MW15	94.5	
310-317227-8	MW17	89.6	
310-317227-9	MW18	88.5	
310-317227-10	MW19	89.3	
310-317227-11	DUP-1	92.9	
LCS 160-740342/2-A	Lab Control Sample	88.0	
LCS 160-740346/2-A	Lab Control Sample	80.3	
MB 160-740342/1-A	Method Blank	89.3	
MB 160-740346/1-A	Method Blank	70.2	

Tracer/Carrier Legend
 Ba = Ba Carrier

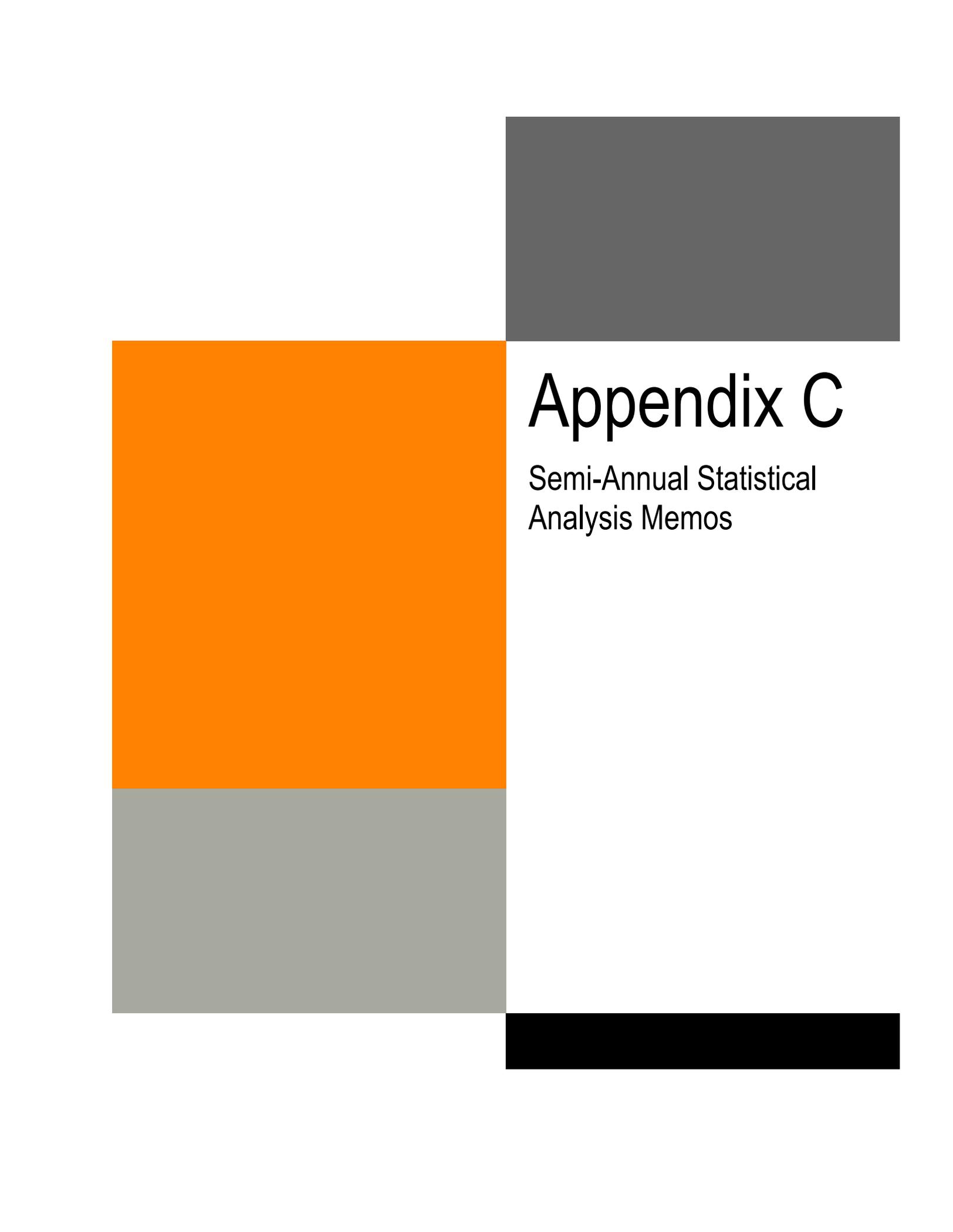
Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
310-317227-1	MW2	75.7	80.7
310-317227-2	MW5	86.6	82.2
310-317227-3	MW6	93.7	80.0
310-317227-3 DU	MW6	96.4	81.9
310-317227-4	MW8	91.0	80.0
310-317227-5	MW9	70.8	82.2
310-317227-6	MW13	92.6	78.9
310-317227-7	MW15	94.5	78.1
310-317227-8	MW17	89.6	80.7
310-317227-9	MW18	88.5	80.0
310-317227-10	MW19	89.3	83.0
310-317227-11	DUP-1	92.9	79.3
LCS 160-740343/2-A	Lab Control Sample	88.0	81.5
LCS 160-740347/2-A	Lab Control Sample	80.3	77.8
MB 160-740343/1-A	Method Blank	89.3	82.2
MB 160-740347/1-A	Method Blank	70.2	78.5

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y Carrier



Appendix C

Semi-Annual Statistical
Analysis Memos

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Technical Memorandum

Date: Thursday, June 19, 2025

To: Omaha Public Power District (OPPD)

From: HDR Engineering, Inc.

Subject: Summary of Statistical Analysis and Evaluation for SSLs
North Omaha Station Ash Landfill
Spring 2025 Statistical Analysis

Omaha Public Power District owns and operates a five-unit fuel-fired generating plant at the North Omaha Station (NOS), herein referenced as “Station” or “Site”, in Omaha, Nebraska. Units 1, 2, and 3 were retired from coal operation (converted to natural gas), while Units 4 and 5 are operating as coal-burning units. This Station has one closed coal combustion residual (CCR) landfill, known as the NOS Ash Landfill, which is subject to the United States Environmental Protection Agency’s (EPA’s) final CCR rule promulgated under U.S. Code of Federal Regulations (CFR), Title 40, Part 257 and Nebraska Department of Environment and Energy’s (NDEE) Title 132 regulations for fossil fuel combustion ash disposal areas. This memorandum provides a discussion and evaluation of the statistical analysis conducted for the closed NOS Ash Landfill which consists of an ash disposal area of approximately 18.503 acres. The NOS Ash Landfill was certified closed in September 2024.

Groundwater sampling was completed as part of an assessment monitoring program for the NOS Ash Landfill in April 2025, as specified in 40 CFR §257.95(d) and NDEE Title 132 Chapter 7 Section 005.06. The statistical analysis of groundwater data was performed in accordance with the methods described in the *Groundwater Monitoring Statistical Certification* for the North Omaha Station – NOS Ash Landfill, amended on November 10, 2022, and the facility’s Groundwater Sampling and Analysis Plan (dated September 2023) as permitted under Title 132. Sampling results used to calculate the background threshold values (BTVs) were updated during the fall 2023 statistical evaluation. The background ranges should be evaluated every two years, in accordance with Chapter 21 of the EPA’s *Statistical Analysis of Groundwater Monitoring Data – Unified Guidance* (EPA, 2009). The current BTVs were updated in October 2023 with monitoring results obtained during monitoring events conducted between March 2016 and October 2023.

Downgradient sampling results from the April 2025 assessment monitoring were used to evaluate statistically significant increases (SSIs) over background and statistically significant levels (SSLs) over the groundwater protection standard (GWPS). The calculated BTVs and the evaluation for SSIs over background for the Appendix III (detection monitoring) constituents and Appendix IV (assessment monitoring) constituents are provided in **Table C-1**. The calculated lower confidence levels and the evaluation for SSLs above the GWPS for the Appendix IV (assessment monitoring) constituents are provided in **Table C-2**. The calculated upper confidence levels and the evaluation for SSLs over the GWPS for the corrective action monitoring constituents are provided in **Table C-3**. **Table C-3** also summarizes short-term (8 recent sample concentrations) and long-term (all historical sample concentrations since March 2016) trend directions for identified SSLs and if they are statistically significant.



Table C-1. Summary of Evaluation for SSIs over Background (April 2025)

Well ID:	MW-2	MW-5	MW-6	MW-8	MW-13	MW-15	MW-17		
<i>BTV (UPL)</i>	<i>Unit</i>	<i>Assessment Monitoring Results - April 2024</i>							
Detection Monitoring Constituents									
Boron	0.200	mg/L	<u>1.43</u>	<u>0.673</u>	<u>0.671</u>	<u>2.77</u>	<u>1.57</u>	<u>2.59</u>	<u>0.693</u>
Calcium	190	mg/L	<u>268</u>	<u>380</u>	<u>271</u>	169	174	190	<u>320</u>
Chloride	275	mg/L	28.3	35.1	<u>311</u>	14.5	9.74	11.1	43.1
Fluoride**	0.944	mg/L	0.384	0.352	0.420	0.277	0.542	<0.0490	0.295
pH	6.03-7.68*	SU	6.82	7.27	6.95	<u>8.25</u>	7.03	7.10	6.74
Sulfate	57.5	mg/L	<u>560</u>	<u>1210</u>	<u>225</u>	<u>789</u>	<u>1040</u>	<u>409</u>	<u>723</u>
Total Dissolved Solids	1,190	mg/L	<u>1510</u>	<u>2260</u>	<u>1230</u>	1060	<u>1440</u>	924	<u>1990</u>
Assessment Monitoring Constituents									
Antimony	0.002	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00154J	<0.00100
Arsenic	0.0143	mg/L	<u>0.206</u>	<u>0.0332</u>	0.0115	0.00989	<u>0.0185</u>	0.00154J	0.0124
Barium	0.726	mg/L	0.127	0.0421	0.172	0.0942	0.0478	0.0557	0.0353
Beryllium	0.001	mg/L	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330
Cadmium	0.000662	mg/L	<0.000100	<0.000100	0.000349	<0.000100	0.000226	<0.000100	<0.000100
Chromium	0.00590	mg/L	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<u>0.0442</u>	<0.00180
Cobalt	0.00346	mg/L	0.000531	0.000774	<u>0.00605</u>	0.000454J	0.000281J	<0.000170	<u>0.00995</u>
Fluoride**	0.944	mg/L	0.384	0.352	0.420	0.277	0.542	<0.0490	0.295
Lead	0.00885	mg/L	0.000394J	0.000452J	0.00134	0.000436J	<0.000330	<0.000330	<0.000330
Lithium	0.0624	mg/L	0.0434	<u>0.0701</u>	0.0432	0.0128	0.0310	0.00796J	<u>0.0955</u>
Mercury	0.000214	mg/L	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110
Molybdenum	0.00234	mg/L	<0.00130	0.00219	<u>0.0616</u>	<u>0.0769</u>	<u>0.673</u>	<u>0.182</u>	<u>0.00322</u>
Radium 226+228	4.13	pCi/L	0.508U	0.961	0.0387U	-0.0925U	-0.234U	0.614	1.01
Selenium	0.005	mg/L	<0.00140	<0.00140	<0.00140	<0.00140	0.00152J	<u>0.0571</u>	<0.00140
Thallium	0.001	mg/L	<0.000570	<0.000570	<0.000570	<0.000570	<0.000570	<0.000570	<0.000570

Bold and underlined concentration indicates an SSI over background.

* Indicates the lower bound of the range is the lower prediction limit (LPL). The upper bound is the upper prediction limit (UPL).

** Fluoride is listed in both Appendix III and Appendix IV of the CCR Rule (40 CFR Part 257).

"U" data qualifier (radium) indicates parameter was analyzed for but not detected above limiting criteria (such as, but not limited to minimum detectable concentration, total uncertainty, reporting limit) as defined in the analytical laboratory data package.

"J" data qualifier indicates that value is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.



Table C-2. Summary of Evaluation for SSLs over GWPS (April 2025)

	Well ID:	MW-2	MW-5	MW-6	MW-8	MW-13	MW-15	MW-17	
	GWPS ^[1]	Unit	Lower Confidence Levels (LCLs) - Assessment Monitoring Constituents						
Antimony	0.006	mg/L	0.001	0.001	0.000693	0.001	0.001	0.001345	0.001
Arsenic	0.0143 ^[2]	mg/L	<u>0.1901</u>	<u>0.03861</u>	0.007658	0.009948	<u>0.01634</u>	0.00149	0.01242
Barium	2	mg/L	0.09759	0.04231	0.143	0.07703	0.05102	0.04638	0.03617
Beryllium	0.004	mg/L	0.00033	0.00033	0.00033	0.00033	0.00033	0.00033	0.00033
Cadmium	0.005	mg/L	0.0001	0.000054	0.0001022	0.000079	0.0001444	0.000065	0.0001
Chromium	0.1	mg/L	0.0018	0.0018	0.0018	0.0018	0.0018	0.00172	0.0018
Cobalt	0.006	mg/L	0.0003067	0.0003487	0.005384	0.0004137	0.000317	0.00017	<u>0.009797</u>
Radium 226+228	5	pCi/L	0.3728	0.2701	0.3589	0.3022	-0.04136	0.2419	0.3861
Fluoride	4	mg/L	0.232	0.352	0.1939	0.266	0.34	0.049	0.295
Lead	0.015	mg/L	0.00026	0.00026	0.0002614	0.00026	0.000279	0.00033	0.00033
Lithium	0.0624 ^[2]	mg/L	0.0404	<u>0.069</u>	0.04381	0.012	0.02615	0.007428	<u>0.09399</u>
Mercury	0.002	mg/L	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
Molybdenum	0.1	mg/L	0.00104	0.001439	0.05716	0.08155	<u>0.7289</u>	<u>0.1878</u>	0.001887
Selenium	0.05	mg/L	0.0014	0.0014	0.0014	0.0014	0.0008021	<u>0.05426</u>	0.0014
Thallium	0.002	mg/L	0.00057	0.0003899	0.00057	0.00057	0.00057	0.00057	0.00057

Bold and underlined concentration indicates an SSL over the GWPS.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2).

[2] GWPS is established as the UPL when the background level is higher than the U.S. EPA MCL or the GWPS specified in 40 CFR §257.95(h)(2).



Table C-3. Summary of Ongoing and Newly Identified SSLs (April 2025)

Well	Constituent	Unit	Most Recent Result			Consecutive Compliance Dates				
			(Spring 2025)	Upper Confidence Levels	GWPS ^[1]	Trend Direction		1 st Occurrence	Most Recent	Duration (Years)
						Short-Term ^[3]	Long-Term ^[4]			
MW-2	Arsenic	mg/L	<u>0.206</u>	<u>0.2389</u>	0.0143 ^[2]	Increasing	Decreasing	N/A	N/A	N/A
MW-5	Arsenic	mg/L	<u>0.0332</u>	<u>0.06891</u>	0.0143 ^[2]	Decreasing	Increasing	N/A	N/A	N/A
MW-5	Lithium	mg/L	<u>0.0701</u>	<u>0.0967</u>	0.0624 ^[2]	Decreasing	Decreasing	N/A	N/A	N/A
MW-6	Arsenic	mg/L	<u>0.0115</u>	<u>0.02228</u>	0.0143 ^[2]	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-6	Cobalt	mg/L	<u>0.00605</u>	<u>0.006739</u>	0.006	Decreasing	Decreasing	N/A	N/A	N/A
MW-8	Arsenic	mg/L	0.00989	0.01267	0.0143 ^[2]	Increasing	<u>Decreasing</u>	10/2023	04/2025	1.5
MW-13	Arsenic	mg/L	<u>0.0185</u>	<u>0.09551</u>	0.0143 ^[2]	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-13	Molybdenum	mg/L	<u>0.673</u>	<u>1.276</u>	0.1	Decreasing	Increasing	N/A	N/A	N/A
MW-15	Molybdenum	mg/L	<u>0.182</u>	<u>0.2625</u>	0.1	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-15	Selenium	mg/L	<u>0.0571</u>	<u>0.08178</u>	0.05	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-17	Arsenic	mg/L	<u>0.0124</u>	<u>0.04868</u>	0.0143 ^[2]	Decreasing	Increasing	N/A	N/A	N/A
MW-17	Cobalt	mg/L	<u>0.00995</u>	<u>0.01169</u>	0.006	Increasing	Decreasing	N/A	N/A	N/A
MW-17	Lithium	mg/L	<u>0.0955</u>	<u>0.116</u>	0.0624 ^[2]	Increasing	Decreasing	N/A	N/A	N/A

Bold and underlined concentration indicate value exceeds the GWPS.

Bold, italicized, and underlined trend indicate statistically significant and increasing or decreasing trend.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2).

[2] GWPS is established as the UPL when the background level is higher than the U.S. EPA MCL or the GWPS specified in 40 CFR §257.95(h)(2).

[3] Short-term trend analysis is performed based on the eight (8) most recent sample concentrations.

[4] Long-term trend analysis is performed based on all the historical sample concentrations since March 2016.

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Technical Memorandum

Date: Wednesday, January 07, 2026

To: Omaha Public Power District (OPPD)

From: HDR Engineering, Inc.

Subject: Summary of Statistical Analysis and Evaluation for SSLs
North Omaha Station Ash Landfill
Fall 2025 Statistical Analysis

Omaha Public Power District owns and operates a five-unit fuel-fired generating plant at the North Omaha Station (NOS), herein referenced as “Station” or “Site”, in Omaha, Nebraska. Units 1, 2, and 3 were retired from coal operation (converted to natural gas), while Units 4 and 5 are operating as coal-burning units. This Station has one closed coal combustion residual (CCR) landfill, known as the NOS Ash Landfill, which is subject to the United States Environmental Protection Agency’s (EPA’s) final CCR rule promulgated under U.S. Code of Federal Regulations (CFR), Title 40, Part 257 and Nebraska Department of Water, Energy, and Environment (DWEE) Title 132 regulations for fossil fuel combustion ash disposal areas. This memorandum provides a discussion and evaluation of the statistical analysis conducted for the closed NOS Ash Landfill which consists of an ash disposal area of approximately 18.503 acres. The NOS Ash Landfill was certified closed in September 2024.

Groundwater sampling was completed as part of an assessment monitoring program for the NOS Ash Landfill in October 2025, as specified in 40 CFR §257.95(d) and DWEE Title 132 Chapter 7 Section 005.06. The statistical analysis of groundwater data was performed in accordance with the methods described in the *Groundwater Monitoring Statistical Certification* for the North Omaha Station – NOS Ash Landfill, amended on November 10, 2022, and the facility’s Groundwater Sampling and Analysis Plan (dated September 2023) as permitted under Title 132. Sampling results used to calculate the background threshold values (BTVs) were updated during the fall 2025 statistical evaluation. The background ranges should be evaluated every two years, in accordance with Chapter 21 of the EPA’s *Statistical Analysis of Groundwater Monitoring Data – Unified Guidance* (EPA, 2009). The current BTVs were updated in October 2025 with monitoring results obtained during monitoring events conducted between March 2016 and October 2025.

Downgradient sampling results from the October 2025 assessment monitoring were used to evaluate statistically significant increases (SSIs) over background and statistically significant levels (SSLs) over the groundwater protection standard (GWPS). The calculated BTVs and the evaluation for SSIs over background for the Appendix III (detection monitoring) constituents and Appendix IV (assessment monitoring) constituents are provided in **Table C-1**. The calculated lower confidence levels and the evaluation for SSLs above the GWPS for the Appendix IV (assessment monitoring) constituents are provided in **Table C-2**. The calculated upper confidence levels and the evaluation for SSLs over the GWPS for the corrective action monitoring constituents are provided in **Table C-3**. **Table C-3** also summarizes short-term (8 recent sample concentrations) and long-term (all historical sample concentrations since March 2016) trend directions for identified SSLs and if they are statistically significant.



Table C-1. Summary of Evaluation for SSIs over Background (October 2025)

Well ID:	MW-2	MW-5	MW-6	MW-8	MW-13	MW-15	MW-17		
<i>BTV (UPL)</i>	<i>Unit</i>	<i>Assessment Monitoring Results - October 2025</i>							
Detection Monitoring Constituents									
Boron	0.200	mg/L	<u>1.46</u>	<u>0.699</u>	<u>0.775</u>	<u>2.62</u>	<u>1.33</u>	<u>3.14</u>	<u>0.716</u>
Calcium	209	mg/L	<u>297</u>	<u>486</u>	<u>327</u>	186	128	<u>224</u>	<u>414</u>
Chloride	275	mg/L	26.2	39.3	<u>332</u>	14.7	9.53	10.4	46.7
Fluoride**	0.947	mg/L	0.355	0.323	0.386	0.212	0.543	<0.0490	0.260
pH	5.82-7.81*	SU	7.59	7.28	6.87	<u>8.32</u>	7.50	7.50	6.74
Sulfate	57.5	mg/L	<u>563</u>	<u>984</u>	<u>218</u>	<u>574</u>	<u>567</u>	<u>515</u>	<u>846</u>
Total Dissolved Solids	1,190	mg/L	<u>1490</u>	<u>2290</u>	<u>1330</u>	1020	1170	968	<u>2040</u>
Assessment Monitoring Constituents									
Antimony	0.00200	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<u>0.00219</u>	0.00161J
Arsenic	0.0143	mg/L	<u>0.306</u>	<u>0.0448</u>	0.00529	0.0130	<u>0.0331</u>	0.00214	<u>0.0257</u>
Barium	0.726	mg/L	0.160	0.0445	0.154	0.0972	0.0441	0.0445	0.0459
Beryllium	0.001	mg/L	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330
Cadmium	0.000550	mg/L	<0.000100	<0.000100	0.000115J	<0.000100	0.000332	0.000124J	<0.000100
Chromium	0.00555	mg/L	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180	<u>0.0101</u>	<0.00180
Cobalt	0.00490	mg/L	0.000414J	0.000636	<u>0.00667</u>	0.000365J	0.000239J	<0.000170	<u>0.00907</u>
Fluoride**	0.947	mg/L	0.355	0.323	0.386	0.212	0.543	<0.0490	0.260
Lead	0.00885	mg/L	<0.000330	0.000407J	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330
Lithium	0.0622	mg/L	0.0444	<u>0.0795</u>	0.0492	0.0129	0.0260	0.00738J	<u>0.111</u>
Mercury	0.000200	mg/L	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110
Molybdenum	0.00234	mg/L	0.00150J	<u>0.00261</u>	<u>0.0750</u>	<u>0.0923</u>	<u>0.911</u>	<u>0.254</u>	<u>0.00382</u>
Radium 226+228	3.08	pCi/L	0.898	0.310U	1.27	0.265U	0.525	0.463U	1.67
Selenium	0.005	mg/L	<0.00140	<0.00140	<0.00140	<0.00140	0.00238J	<u>0.0605</u>	<0.00140
Thallium	0.00100	mg/L	<0.000570	<0.000570	<0.000570	<0.000570	<0.000570	<0.000570	<0.000570

Bold and underlined concentration indicates an SSI over background.

* Indicates the lower bound of the range is the lower prediction limit (LPL). The upper bound is the upper prediction limit (UPL).

** Fluoride is listed in both Appendix III and Appendix IV of the CCR Rule (40 CFR Part 257).

"U" data qualifier (radium) indicates parameter was analyzed for but not detected above limiting criteria (such as, but not limited to minimum detectable concentration, total uncertainty, reporting limit) as defined in the analytical laboratory data package.

"J" data qualifier indicates that value is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.



Table C-2. Summary of Evaluation for SSLs over GWPS (October 2025)

	Well ID:	MW-2	MW-5	MW-6	MW-8	MW-13	MW-15	MW-17	
	GWPS ^[1]	Unit	Lower Confidence Levels (LCLs) - Assessment Monitoring Constituents						
Antimony	0.006	mg/L	0.001	0.001	0.000693	0.001	0.001	0.00148	0.001
Arsenic	0.0143 ^[2]	mg/L	0.1841	0.03659	0.00638	0.01021	0.01618	0.00154	0.01367
Barium	2.0	mg/L	0.1017	0.04268	0.1417	0.07822	0.04801	0.04409	0.03667
Beryllium	0.004	mg/L	0.00033	0.00033	0.00033	0.00033	0.00033	0.00033	0.00033
Cadmium	0.005	mg/L	0.0001	0.0001	0.00009981	0.0001	0.0001399	0.000065	0.0001
Chromium	0.10	mg/L	0.0018	0.0018	0.0018	0.0018	0.0018	0.001856	0.0018
Cobalt	0.006	mg/L	0.0003022	0.0003649	0.005417	0.0003761	0.0002647	0.00017	0.009553
Radium 226+228	5	pCi/L	0.3792	0.1671	0.3852	0.3102	0.08982	0.2419	0.3927
Fluoride	4.0	mg/L	0.232	0.3053	0.2174	0.212	0.34	0.049	0.2086
Lead	0.015	mg/L	0.000304	0.00026	0.0002443	0.000268	0.000279	0.00033	0.00033
Lithium	0.0622 ^[2]	mg/L	0.0426	0.06885	0.04532	0.01211	0.027	0.007173	0.09847
Mercury	0.002	mg/L	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
Molybdenum	0.1	mg/L	0.001065	0.00178	0.0582	0.08143	0.7102	0.1887	0.002189
Selenium	0.05	mg/L	0.0014	0.0014	0.0014	0.0014	0.0006205	0.05598	0.0014
Thallium	0.002	mg/L	0.00057	0.000412	0.00057	0.00057	0.00057	0.00057	0.00057

Bold and underlined concentration indicates an SSL over the GWPS.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2).

[2] GWPS is established as the UPL when the background level is higher than the U.S. EPA MCL or the GWPS specified in 40 CFR §257.95(h)(2).



Table C-3. Summary of Ongoing and Newly Identified SSLs (October 2025)

Well	Constituent	Unit	Most Recent Result			Consecutive Compliance Dates				
			(Fall 2025)	Upper Confidence Levels	GWPS ^[1]	Trend Direction		1 st Occurrence	Most Recent	Duration (Years)
						Short-Term ^[3]	Long-Term ^[4]			
MW-2	Arsenic	mg/L	<u>0.306</u>	<u>0.2681</u>	0.0143 ^[2]	Increasing	Decreasing	N/A	N/A	N/A
MW-5	Arsenic	mg/L	<u>0.0448</u>	<u>0.06651</u>	0.0143 ^[2]	Decreasing	Increasing	N/A	N/A	N/A
MW-5	Lithium	mg/L	<u>0.0795</u>	<u>0.08742</u>	0.0622 ^[2]	Decreasing	Decreasing	N/A	N/A	N/A
MW-6	Arsenic	mg/L	0.00529	<u>0.01632</u>	0.0143 ^[2]	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-6	Cobalt	mg/L	<u>0.00667</u>	<u>0.006848</u>	0.006	Increasing	Decreasing	N/A	N/A	N/A
MW-8	Arsenic	mg/L	0.0130	0.01307	0.0143 ^[2]	Increasing	Decreasing	10/2023	10/2025	2
MW-13	Arsenic	mg/L	<u>0.0331</u>	<u>0.05898</u>	0.0143 ^[2]	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-13	Molybdenum	mg/L	<u>0.911</u>	<u>1.2</u>	0.1	Decreasing	Increasing	N/A	N/A	N/A
MW-15	Molybdenum	mg/L	<u>0.254</u>	<u>0.2663</u>	0.1	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-15	Selenium	mg/L	<u>0.0605</u>	<u>0.08157</u>	0.05	Decreasing	<u>Decreasing</u>	N/A	N/A	N/A
MW-17	Arsenic	mg/L	<u>0.0257</u>	<u>0.04968</u>	0.0143 ^[2]	Decreasing	Increasing	N/A	N/A	N/A
MW-17	Cobalt	mg/L	<u>0.00907</u>	<u>0.01174</u>	0.006	Decreasing	Decreasing	N/A	N/A	N/A
MW-17	Lithium	mg/L	<u>0.111</u>	<u>0.1167</u>	0.0622 ^[2]	Increasing	Decreasing	N/A	N/A	N/A

Bold and underlined concentration indicate value exceeds the GWPS.

Bold, italicized, and underlined trend indicate statistically significant and increasing or decreasing trend.

[1] GWPS is established as the U.S. EPA Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2).

[2] GWPS is established as the UPL when the background level is higher than the U.S. EPA MCL or the GWPS specified in 40 CFR §257.95(h)(2).

[3] Short-term trend analysis is performed based on the eight (8) most recent sample concentrations.

[4] Long-term trend analysis is performed based on all the historical sample concentrations since March 2016.