2025 NC2 CCR Landfill Annual Groundwater Report

Nebraska City Station
NC2 Ash Disposal Area

Nebraska City, Nebraska
January 28, 2026

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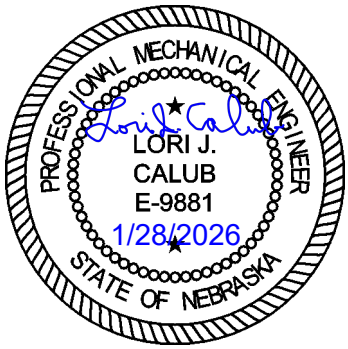
Professional Engineer Certification

I hereby certify that to the best of my knowledge 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 duly licensed Professional Engineer under the laws of the State of Nebraska.

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



My license renewal date is December 31, 2027.

Table of Contents

List of Figures

List of Tables

List of Appendices

Executive Summary

Omaha Public Power District (OPPD) owns and operates a two-unit fossil fuel-fired generating station (NC1 and NC2), located 5.5 miles southeast of Nebraska City, Nebraska, along the west bank of the Missouri River. This generating station (Station or Site) has two (2) existing coal combustion residual (CCR) landfills for fossil fuel combustion ash disposal: the NC1 Ash Disposal Area (closed) and the NC2 Ash Disposal Area (active). On April 17, 2015, the United States Environmental Protection Agency (EPA) published the final rule for the regulation and management of 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 and corrective action monitoring under 40 CFR §257.96 for the NC2 Ash Disposal Area. The NC2 Ash Disposal Area is an existing CCR lined landfill permitted for 40.7 acres of disposal; Cell 1 (14.5 acres) and Cells 2 & 3 (26.2 acres); constructed with 24 inches of re-compacted clay overlain by a 60-mil high-density polyethylene geomembrane and geotextile fabric layer.

The NC2 Ash Disposal Area transitioned from detection monitoring to assessment monitoring following the fall 2019 sampling event due to calcium detected as a statistically significant increase (SSI) above the background threshold value in monitoring well NC2MW-2. An alternate source demonstration (ASD) for calcium was unsuccessful, and OPPD published a notification (dated April 24, 2020). An assessment monitoring program was initiated in accordance with 40 CFR §257.95 with the first sampling event in April 2020 and subsequent event July 2020. Results of assessment monitoring indicated three statistically significant levels (SSLs) over groundwater protection standards (GWPS); arsenic and lithium in NC2MW-7 and arsenic in NC2MW-8. Arsenic was determined to be naturally occurring and highly variable at the NC2 Ash Disposal Area under the ASD granted by DWEE in correspondence dated May 5, 2020. Arsenic is therefore not treated as an SSL

OPPD published a notification of the exceedances and initiation of assessment of corrective measures (ACM) on November 25, 2020. An ACM report, dated December 22, 2020, was conducted to evaluate potential remedies for constituents with detected SSLs. A public meeting was conducted on August 25, 2021, and then on November 15, 2021, OPPD published a Remedy Selection Report (HDR, 2021a). The selected remedial system includes source control of windblown CCR and long-term performance monitoring. Initiation of the selected remedy began in December 2021 with submittal of draft permit modifications to the Nebraska Department of Water, Energy, and Environment (DWEE) under DWEE Title 132 regulations.

Groundwater has continued to be monitored at the Site in 2025, in accordance with 40 CFR §257.95. For the April 2025 sampling event, results of the analysis indicated three (3) Appendix IV SSIs above background. No new SSIs were detected during the April 2025 sampling event.

There was one continued SSL above GWPS (lithium at NC2MW-7) and no newly detected SSLs.

For the October 2025 sampling event, results of the analysis indicated one (1) Appendix III SSI and four (4) Appendix IV SSIs above background. No new SSIs were detected during the October 2025 sampling event. There was one continued SSL above GWPS (lithium in NC2MW-7) and no newly detected SSLs.

The Site will continue to be monitored semi-annually, as specified in 40 CFR §257.96(b) and will continue implementation of corrective measures in accordance with the schedule specified in the Selection of Remedy Report (HDR, 2021a). The next sampling event is anticipated to occur in April 2026.

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 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:		**NC2 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):	No	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.	• Not Applicable	• NC2MW2 - calcium
§257.90(e)(6)(iii)(B)	Provide the date when the assessment monitoring program was initiated for the CCR unit.	April 24, 2020	
§257.90(e)(6)(iv)	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	Yes	Yes

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:		**NC2 Ash Disposal Area**	
	part pursuant to § 257.95(g) include all of the following:		
§257.90(e)(6)(iv) (A)	Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase.	• NC2MW-7 – lithium	• NC2MW-7 – lithium
§257.90(e)(6)(iv) (B)	Provide the date when the assessment of corrective measures was initiated for the CCR unit.	December 14, 2020	
§257.90(e)(6)(iv)(C)	Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.	August 25, 2021	
§257.90(e)(6)(iv)(D)	Provide the date when the assessment of corrective measures was completed for the CCR unit.	November 15, 2021 – Remedy Selection Report	
§257.90(e)(6)(v)	Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection.	Remedy selected in 2021	
§257.90(e)(6)(vi)	(vi) Whether remedial activities were initiated or are ongoing pursuant to §257.98 during the current annual reporting period.	Remedial activities initiated and performance monitoring ongoing	

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 residual (CCR) under Subtitle D of the Resource Conservation and Recovery Act. The CCR rule is formally promulgated in the U.S. Code of Federal Regulations (CFR), Title 40, Part 257. The rule – effective on October 19, 2015 – applies to electric utilities and independent power producers that fall within North American Industry Codes System code 221112, and facilities that produce or store CCR materials in surface impoundments or landfills (EPA, 2015). 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), Nebraska City Station.

1.1 Purpose

The CCR Rule, 40 CFR §257.90(e), specifies that an owner or operator of an existing CCR landfill prepares an annual groundwater monitoring and corrective action report to summarize 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) of the CCR Rule. This report provides a summary of CCR groundwater monitoring system activities for calendar year 2025 for the assessment monitoring program under 40 CFR §257.95 and corrective action monitoring under 40 CFR §257.98 for the NC2 Ash Disposal Area which is a lined landfill located at the Site.

1.2 Facility Information

OPPD owns and operates a two-unit fossil fuel-fired generating station (NC1 and NC2), located 5.5 miles southeast of Nebraska City, Nebraska, along the west bank of the Missouri River (**Figure 1**). This Station has two existing CCR landfills: the NC1 Ash Disposal Area (closed) and NC2 Ash Disposal Area (active). The CCR landfills are permitted under the current Nebraska Department of Water, Energy, and Environment (DWEE) Title 132 Chapter 7 (Groundwater Monitoring and Remedial Action) regulations for fossil fuel combustion ash disposal areas. This annual report covers the NC2 Ash Disposal Area (DWEE Permit No. NE0204421, Facility ID 58343).

The NC2 Ash Disposal Area is an existing CCR lined landfill permitted for 40.7 acres of disposal; Cell 1 (14.5 acres) and the East Leachate Pond were constructed in 2008/2009 and Cells 2 & 3 (26.2 acres), along with the West Leachate Pond, were completed January 23, 2020. Base liners for Cells 1 through 3 were constructed with 24 inches of re-compacted clay overlain by a 60-mil high-density polyethylene geomembrane and geotextile fabric layer. The leachate collection system for Cell 1 collects leachate at the sump and is then pumped to the East Leachate Pond. The leachate collection system for Cells 2 & 3 collects leachate at two sumps, which is then pumped to the West Leachate Pond. **Figure 2** identifies the relevant CCR unit for this report and the supporting groundwater monitoring network.

2 Monitoring Program Summary

The groundwater monitoring network currently consists of three upgradient/background monitoring wells (NC2MW-4, NC2MW-5, and MW-13), four downgradient monitoring wells (NC2MW-2, NC2MW-3, NC2MW-7, and NC2MW-8), and one cross-gradient monitoring well (NC2MW-6). Monitoring well details for the monitoring network, including the date of installation, is provided in **Table 1**. No new wells were constructed, and no wells were abandoned in 2025. The location of the monitoring wells in the groundwater monitoring program with respect to the CCR unit, NC2 Ash Disposal Area, are shown in **Figure 2**.

2.1 Summary of Monitoring Program Transitions

OPPD complies with Nebraska State regulations (DWEE Title 132) and the EPA's regulations for the disposal of CCR, as specified in 40 CFR Part 257 (CCR Rule). As part of these regulatory programs, the NC2 Ash Disposal Area is monitored semi-annually under detection or assessment monitoring programs. Under the detection monitoring program, constituents listed in Appendix III of 40 CFR Part 257 are evaluated for statistically significant increases (SSIs) above background. Under the assessment monitoring program, constituents listed in Appendix IV of 40 CFR Part 257 are evaluated for SSIs above background and for statistically significant levels (SSLs) over groundwater protection standards (GWPS). The following table outlines the transition of groundwater monitoring programs and subsequent actions and reports.

Date	Groundwater Compliance Monitoring Milestones
01/30/2018	Semi-annual detection monitoring. Potential SSIs during fall 2017 sampling event in downgradient monitoring wells for calcium and pH. A successful alternate source demonstration (ASD) indicated the SSIs resulted from an error in statistical evaluation.
06/06/2018	Semi-annual detection monitoring. A potential SSI during spring 2018 sampling event in one downgradient monitoring well for pH. A successful ASD indicated the SSI was a result of sampling error.
01/31/2019	Semi-annual detection monitoring. There were no SSIs during the fall 2018 sampling event.
04/08/2019	Semi-annual detection monitoring. Potential SSI detected for calcium. Verification sampling on 6/26/2019 indicated the SSI was not confirmed and the network continued with detection monitoring.
10/15/2019	Semi-annual detection monitoring. Potential SSI detected for calcium. Verification sampling on 01/08/2020 indicated the SSI was confirmed.
11/6/2019	A Groundwater Assessment Report (GAR) was submitted to DWEE to address the Title 132 specific constituents with SSIs detected during the fall 2019 sampling event. The GAR indicated barium, pH, and sulfate were not confirmed SSIs due to statistical error, and arsenic and iron were a result of natural variation. DWEE approved the GAR on May 5, 2020. The GAR indicated an alternative source for arsenic at the site.
4/24/2020	Notification published for unsuccessful ASD for calcium within 90-day deadline. Initiation of assessment monitoring program in accordance with 40 CFR §257.95.

Date	Groundwater Compliance Monitoring Milestones
4/27/2020	Initial round of sampling for initiation of assessment monitoring. Background threshold values (BTVs) and GWPS were established for assessment monitoring constituents following the first round of sampling.
07/15/2020	Second round of sampling for initiation of assessment monitoring. SSIs detected for downgradient wells for calcium, antimony, arsenic, barium, cadmium, cobalt, and lithium. There was one SSL detected (lithium at NC2MW-7).
10/05/2020	Semi-annual assessment monitoring. SSIs detected for downgradient wells for calcium, antimony, arsenic, barium, cadmium, and lithium. There was one SSL detected (lithium at NC2MW-7).
11/25/2020	Notification published for detected SSL.
12/14/2020	Initiation of assessment of corrective measures program in accordance with 40 CFR §257.96.
12/22/2020	Assessment of Corrective Measures Report (HDR, 2020c) to evaluate potential remedies for constituent with detected SSL.
4/12/2021	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, arsenic, barium, fluoride, and lithium. There was one SSL detected (lithium at NC2MW-7).
8/25/2021	Public meeting conducted to discuss corrective measures (HDR, 2021a).
10/4/2021	Semi-annual assessment monitoring. SSIs detected for downgradient wells for arsenic, barium, cadmium, cobalt, radium 226 + 228, lithium, and molybdenum. There was one SSL detected (lithium at NC2MW-7).
11/15/2021	Remedy Selection Report (HDR, 2021a) to select a remedial system for constituents with detected SSLs.
4/4/2022	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, arsenic, barium, calcium, chloride, cobalt, lithium, selenium, sulfate, and total dissolved solids (TDS). There was one SSL detected (lithium at NC2MW-7).
10/3/2022	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, arsenic, barium, calcium, cobalt, lithium, molybdenum, radium 226+228, and TDS. There was one SSL detected (lithium at NC2MW-7).
4/6/2023	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, barium, calcium, cobalt, lithium, molybdenum, and radium 226 + 228 combined. There was one SSL detected (lithium at NC2MW-7).
10/10/2023	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, arsenic, barium, lithium, mercury, and molybdenum. There was one SSL detected (lithium at NC2MW-7).
4/15/2024	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, arsenic, barium, calcium, lithium, and sulfate. There was one SSL detected (lithium at NC2MW-7).
10/7/2024	Semi-annual assessment monitoring. SSIs detected for downgradient wells for antimony, arsenic, barium, calcium, lithium, and thallium. There was one SSL detected (lithium at NC2MW-7).
4/7/2025	Semi-annual assessment monitoring. SSIs detected for 3 well/constituent pairs. Constituents included antimony, barium, and lithium. There was one SSL detected (lithium at NC2MW-7).

Date	Groundwater Compliance Monitoring Milestones
10/7/2025	Semi-annual assessment monitoring. SSIs detected for 5 well/constituent pairs. Constituents included antimony, arsenic, barium, calcium, and lithium. There was one SSL detected (lithium at NC2MW-7).

2.2 Groundwater Monitoring Network Condition Assessment

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

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 semi-annual assessment monitoring program. Samples were collected in general 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 sample event, whether the sample was collected during detection or assessment monitoring programs, and the date of each event are summarized in **Table 2**.

Groundwater sampling completed by OPPD personnel was conducted in general accordance with the facility's DWEE Title 132 Groundwater Sampling and Analysis Plan (HDR, 2024) and the Groundwater Monitoring System Certification (HDR, 2019a). Samples were collected from each background and downgradient network well during the April 2025 and October 2025 monitoring events except for NC2MW-6. During the April 2025 sampling event, monitoring well NC2MW-6 was dry, and a groundwater sample could not be collected. A groundwater sample was collected from monitoring well NC2MW-6 during the October 2025 sampling event. Field sampling forms from the 2025 sampling events are provided in **Appendix A**. The collected groundwater samples were analyzed by Eurofins Environment Testing North Central, LLC. The 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 of both monitoring network wells and groundwater elevation only wells, as defined in the CCR Groundwater Monitoring System Certification (HDR, 2019a), were used to determine groundwater contours. 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 south-southeast and an average flow velocity of 0.00952 feet per day (ft/day) to 0.0539 ft/day. Groundwater measurements

collected during the October 2025 sampling event indicated a flow direction to the south-southeast and an average flow velocity of 0.03603 ft/day to 0.20395 ft/day. The April 2025 and October 2025 flow velocities are based on a range of hydraulic conductivity at the Site of 6.96 ft/day to 39.4 ft/day (HDR, 2019a). Estimated groundwater flow direction is consistent with historical observations.

3.3 Assessment Monitoring Groundwater Sampling

Groundwater sampling events were conducted by OPPD personnel in April 2025 and October 2025 as continuation of the semi-annual assessment monitoring program in accordance with 40 CFR §257.96(b). As specified in 40 CFR §257.95(b), monitoring network wells should be resampled at least annually for the full Appendix IV constituent list. In accordance with 40 CFR §257.95(d), monitoring network wells should be resampled at least semi-annually for the full Appendix III constituents and those Appendix IV constituents detected in response to 40 CFR §257.95(b). However, to be conservative, all Appendix III and Appendix IV constituents were analyzed for both the April 2025 and October 2025 sampling events. The results of the sampling events conducted in 2025 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 BTVs, and Appendix IV constituents are statistically analyzed to evaluate for SSLs above the GWPS. Statistical analysis was performed using Sanitas™ Statistical Software in accordance with the methods described in the Groundwater Monitoring Statistical Methods Certification (HDR, 2021b). BTVs are updated every two years in accordance with Chapter 21 of the EPA's Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance (EPA, 2009) or during a monitoring program transition. BTVs and GWPS were last updated following the spring 2024 sampling event. The next update is planned for the spring 2026 sampling event. Statistically derived BTVs for Appendix III and IV constituents for detection monitoring are provided in **Table 6**. The established GWPS for all Appendix IV constituents are 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**.

For the April 2025 sampling event, results of the analysis indicated three (3) SSIs for Appendix IV constituents and no SSIs above background for Appendix III constituents:

- NC2MW-2: Antimony
- NC2MW-7: Barium and Lithium

No new SSIs were detected during the April 2025 sampling event. Analysis of the Appendix IV constituents indicated there were no new SSLs, and there was one continued SSL detected above the GWPS:

- NC2MW-7: Lithium

A subsequent semi-annual sampling event was conducted in October 2025. Results of the analysis indicated four (4) SSIs for Appendix IV constituents and one (1) SSI above background for Appendix III constituents:

- NC2MW-2: Antimony and Calcium
- NC2MW-7: Arsenic, Barium, and Lithium

Each of the SSIs were previously identified at these monitoring wells. No new well/constituent pairs were identified as SSIs during the October 2025 sampling event.

Analysis of the assessment monitoring constituents indicated there were no new SSLs, and there was one continued SSL detected above the GWPS:

- NC2MW-7: Lithium

3.5 Evaluation of Corrective Measures

For the SSL detected for lithium at NC2MW-7, DWEE proposed long-term groundwater monitoring and institutional controls (to restrict groundwater use) as remedial actions in a letter dated March 31, 2021. On November 15, 2021, OPPD published a Remedy Selection Report for source control of windblown CCR and long-term performance monitoring (HDR, 2021a). The site will continue to be monitored semi-annually in accordance with EPA regulations in 40 CFR §257.96(b) and the DWEE's proposed remedial action. Previous remedial activities included obtaining approval of minor permit modifications to better control fugitive dust at the facility, implementing a revised fill plan, and applications of a surface binder to inactive areas of the landfill. Initial applications of the surface binder occurred in the summer and fall of 2021. Annual surface binder applications are conducted at the site prior to the winter months. The use of a binder prior to the winter months is to ensure the dust is held in place during times where water usage is not a reasonable option due to freezing conditions. The remainder of the year, water can be used to settle dust.

As part of the evaluation of the corrective measures, the upper confidence limit (UCL) of lithium in NC2MW-7 will be compared to the GWPS until the UCL remains below the GWPS for three consecutive years. The UCL for lithium at NC2MW-7 was above the GWPS during the October 2025 sampling event; therefore, the site will remain in the corrective action monitoring program. According to long-term trend analysis of lithium at NC2MW-7, which incorporates sampling events from March 2018 to October 2025, there is a positive slope of 0.0007899 milligrams per liter per year [mg/L/year]. The long-term increasing trend is not statistically significant. Based on a short-term trend analysis which incorporates the last eight (8) sampling events (dating from April 2022 to October 2025), there is a negative slope (-0.00007895 mg/L/year). The short-term decreasing trend is also not statistically significant. Each monitoring event utilized in the short-term trend analysis occurred after remedial action was implemented at the site in 2021. The trend analysis results are summarized in the most recent Title 132: Semi-Annual Groundwater Monitoring Report for the NC2 Ash Disposal Area.

3.6 Other Information Required under 40 CFR §257.90-98

In response to previously detected SSIs for arsenic in 2018 and 2019 under DWEE required monitoring, a GAR was prepared by HDR Engineering, Inc. (HDR) on behalf of OPPD in 2019 to characterize the alternate sources of arsenic at the NC2 Ash Disposal Area (HDR, 2019b). As part of the GAR, upwind/upgradient and downwind/ downgradient surface and subsurface soil samples were collected near the NC2 Ash Disposal Area. Additionally, groundwater samples from temporary piezometers and monitoring wells along the downgradient side of the NC2 Ash Disposal Area and ash samples from within the NC2 Ash Disposal Area were collected and analyzed. Surface soil samples, subsurface soil samples**,** ash samples**,** leachate samples, and groundwater samples were evaluated to characterize the NC2 Ash Disposal Area and the nature of the surrounding groundwater. The GAR served as an ASD for arsenic at monitoring well NC2MW-7 and was submitted to DWEE on November 6, 2019. DWEE responded in a May 5, 2020, correspondence stating the ASD for arsenic in NC2MW-7 had been accepted and that arsenic was due to naturally occurring arsenic in the soil and not a result of a release from the NC2 Ash Disposal Area.

Similarly, in response to the previously detected SSI for calcium in 2019 under CCR and DWEE required groundwater monitoring, a Site Assessment Report (SAR) was conducted in February and March 2020 in advance of the initiation of assessment monitoring (HDR, 2020a). HDR, on behalf of OPPD, conducted this additional investigation into two Appendix IV constituents (arsenic and lithium) at the NC2 Ash Disposal Area to evaluate and refine the source(s) of inorganic impacts to groundwater downgradient of the NC2 Ash Disposal Area. The information provided in the SAR was based on a combination of field data obtained during the GAR and field data obtained specifically for the SAR. Data evaluated as part of the SAR included: surface and subsurface soil samples, fly and bottom ash samples, limestone samples, leachate pond and leachate sump samples, clarifier sediment disposal area sediment samples, surface water samples, temporary piezometer groundwater samples, and groundwater samples from permanent monitoring wells and two delineation wells installed as part of the GAR.

Following the July 2020 SSLs for arsenic and lithium, both in NC2MW-7, OPPD was required to characterize the extent of the release and initiate an ACM within 90 days of identifying SSLs in accordance with 40 CFR §257.95(g). Following the October 2020 SSL for arsenic in NC2MW-8, a notification of SSL was prepared and placed in the facility's operating record on November 25, 2020, pursuant to 40 CFR §257.95(g) for all SSLs detected. A Nature and Extent Study (NES) was submitted to DWEE on December 17, 2020 (HDR, 2020b), and an ACM Report (HDR, 2020c) was placed in the facility's operating record on December 22, 2020, both of which were developed by implementing site information obtained through the GAR and SAR.

Results of the site investigations and ACM Report were presented at a public meeting with interested and affected parties on August 25, 2021. The public meeting was held online using Webex™. No comments were received during the meeting or submitted in writing. OPPD published a Remedy Selection Report in November 2021. The selected remedy has been implemented in stages as proposed in the Remedy Selection Report. Draft permit revisions were provided to DWEE during the 2021 reporting period to revise the DWEE Title 132 permit

for implementation of the use of a surface binder for dust control as part of the selected remedy. In a letter dated January 14, 2022, DWEE approved the permit modifications to control fugitive dust. During the 2022 reporting period, a revised fill plan was implemented and applications of a surface binder to inactive areas of the landfill was initiated. The revised fill plan continues to be followed, and annual applications of a surface binder to inactive areas of the landfill are conducted.

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

4 Key Activities for Upcoming Year

OPPD has selected a remedy for corrective action (HDR, 2021a) and will continue to monitor and evaluate corrective actions. Ongoing remedial activities will occur in 2026 by continuing to implement the revised fill plan to reduce active areas of the landfill and annual applications of a surface binder to inactive areas of the landfill. The Site will continue to be monitored in accordance with the corrective action 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 parts 257; *Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities*; Final Rule, Federal Register Vol. 80, No. 74. Environmental Protection Agency. April 17, 2015.

HDR, 2019a. *Groundwater Monitoring System Certification.* Nebraska City Station – NC2 Combustion Ash Landfill. Revised June 2019.

HDR, 2019b. *Title 132: Groundwater Assessment Report.* Nebraska City Station – NC2 Combustion Ash Landfill. November 6, 2019.

HDR, 2020a. *Site Assessment Report.* Nebraska City Station – NC2 Combustion Ash Landfill. June 18, 2020.

HDR, 2020b. *Title 132: Nature and Extent Study*. Nebraska City Station – NC2 Combustion Ash Landfill. December 17, 2020.

HDR, 2020c. *Assessment of Corrective Measures Report*. Nebraska City Station – NC2 Combustion Ash Landfill. December 22, 2020.

HDR, 2021a. *Remedy Selection Report.* Nebraska City Station – NC2 Combustion Ash Landfill. November 15, 2021.

HDR, 2021b. *Groundwater Monitoring Statistical Methods Certification.* Nebraska City Station – NC2 Combustion Ash Landfill. Revised December 2021.

HDR, 2024. *Groundwater Sampling and Analysis Plan*. NC2 Ash Disposal Area. Nebraska City, Nebraska. Revised March 2024.

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Figures

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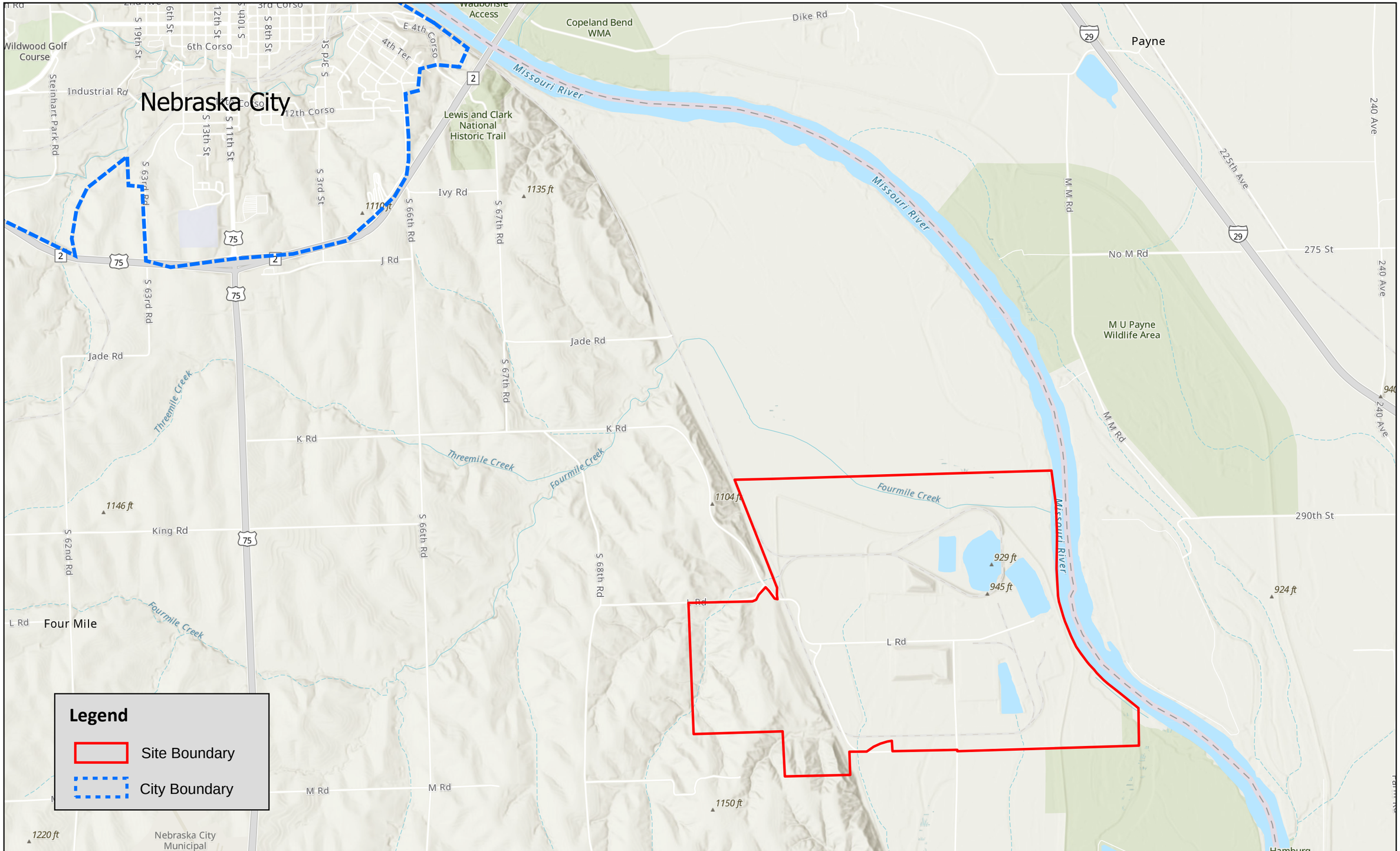

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SITE LOCATION MAP
FIGURE 1
OPPD - NEBRASKA CITY STATION

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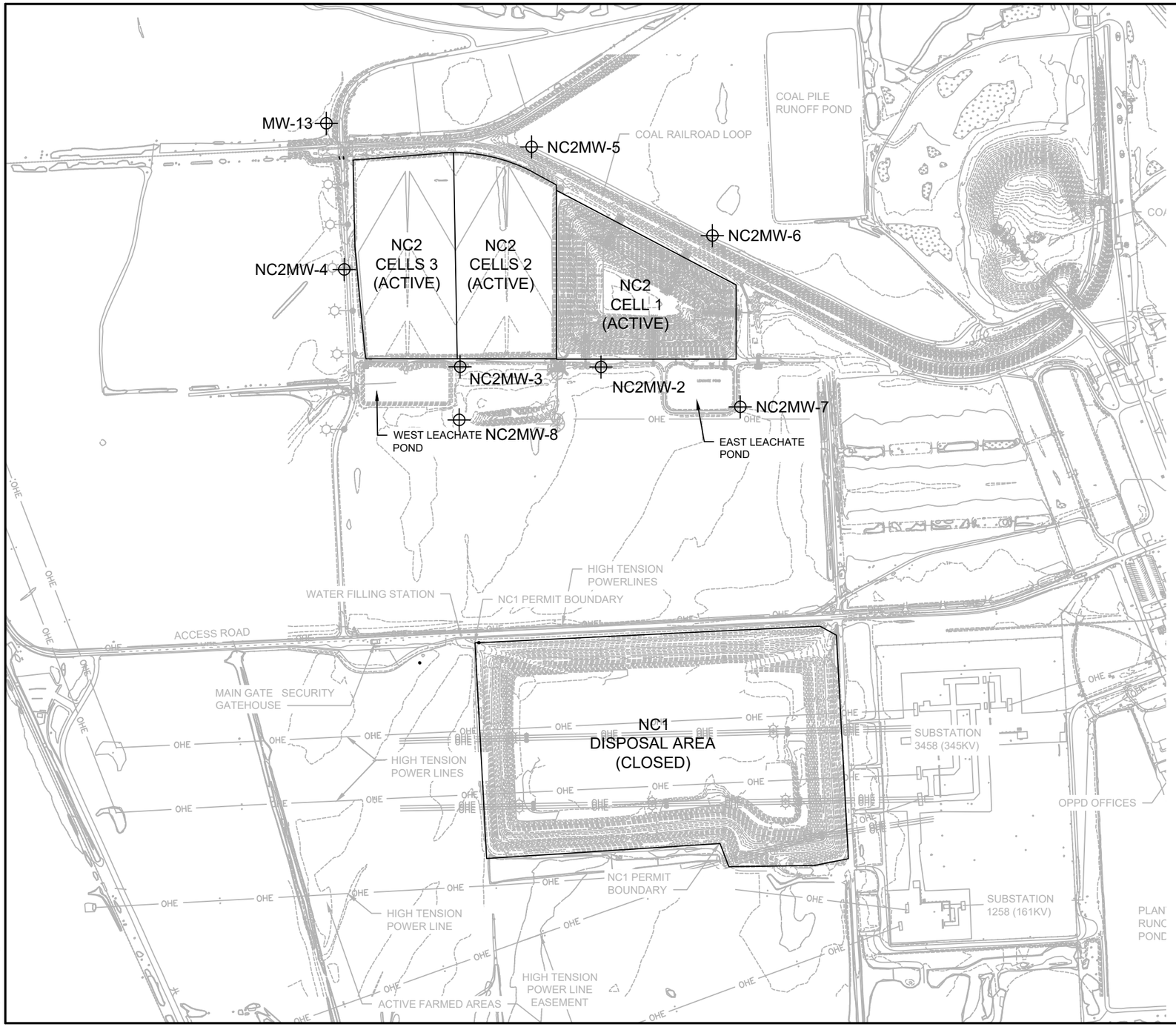

MONITORING WELL NETWORK	
WELL ID	LOCATION WITH RESPECT TO NC2 ASH DISPOSAL AREA
MW-13	BACKGROUND / UPGRADIENT
NC2MW-2	DOWNGRADIENT
NC2MW-3	DOWNGRADIENT
NC2MW-4	BACKGROUND / UPGRADIENT
NC2MW-5	BACKGROUND / UPGRADIENT
NC2MW-6	CROSSGRADIENT
NC2MW-7	DOWNGRADIENT
NC2MW-8	DOWNGRADIENT

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600 0 600 1200

SCALE IN FEET

C:\pwworking\central01\d5034054\NC 2 - Figure 1_Spring 2024.dwg, 12/2/2025 11:48:15 AM, SSARKER

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Omaha Public Power District

HDR

OPPD NEBRASKA CITY ASH LANDFILL
NEBRASKA CITY UNIT 2 - NC2
MONITORING WELL LOCATION MAP

2025 GROUNDWATER MONITORING REPORT

DATE
OCTOBER 2025

FIGURE
02

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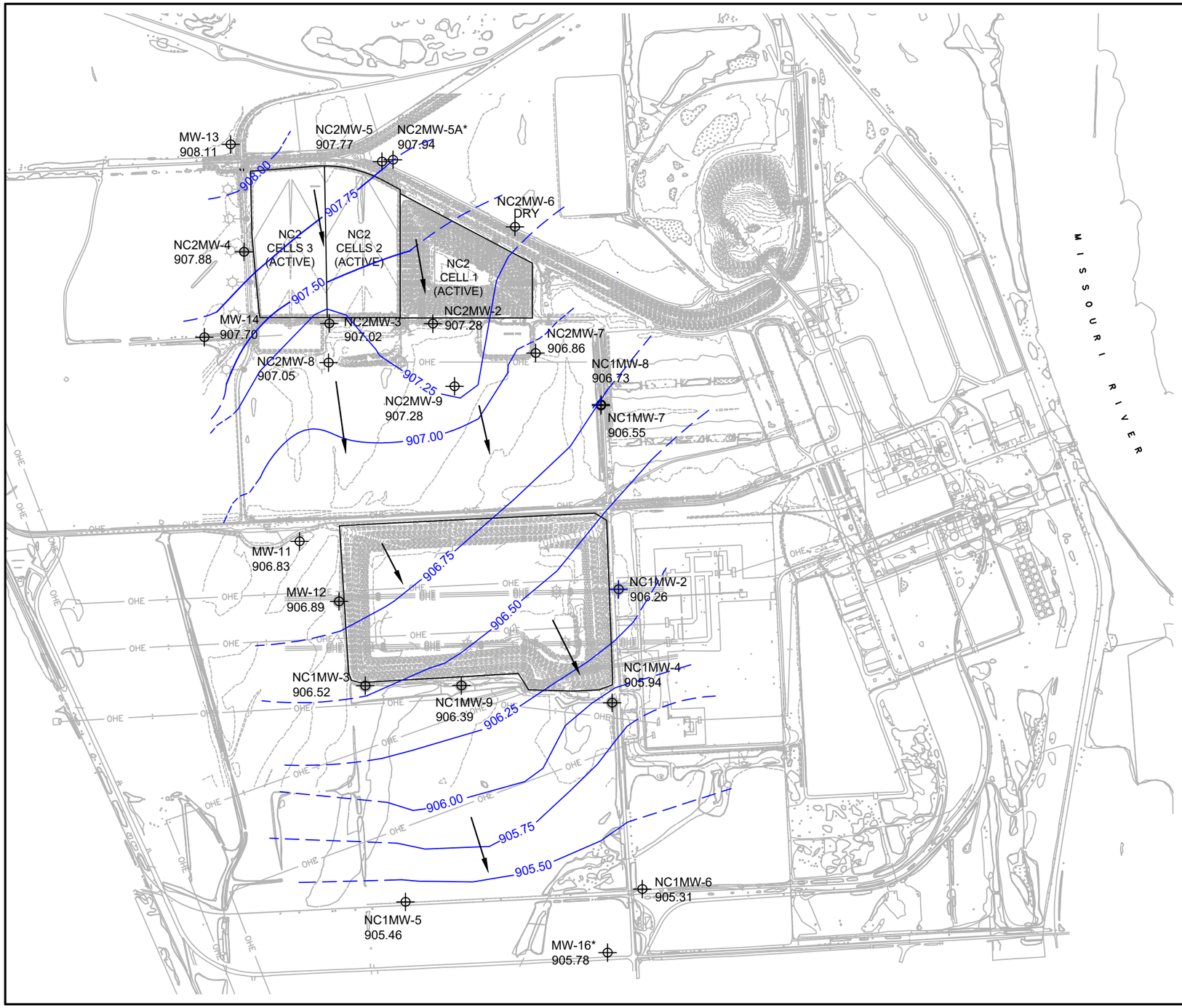

N

800 0 800 1600

SCALE IN FEET

LEGEND:

⊕	MONITORING WELL
907.29	GROUNDWATER ELEVATION
907.00	GROUNDWATER CONTOUR
- - - - - - - - - -	INFERRED GROUNDWATER CONTOUR
→	INFERRED GROUNDWATER FLOW DIRECTION
NM	NOT MEASURED

NOTES:

1. MONITORING WELL NC1MW-7 WAS NOT USED IN GENERATION OF CONTOUR MAP DUE TO BEING SCREENED AT A DEEPER INTERVAL.
2. MONITORING WELL NC2MW-6 WAS NOT USED IN GENERATION OF CONTOUR MAP AS NO WATER WAS DETECTED DURING SPRING 2025 SAMPLING.
3. * - SYMBOL INDICATED GROUNDWATER ELEVATION APPEARS TO BE ANOMALOUS. MONITORING WELL WAS NOT USED IN GENERATION OF CONTOUR MAP.

VELOCITY COMPUTATIONS

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

K = HYDRAULIC CONDUCTIVITY (SEE TABLE)

i = GRADIENT = $\frac{1.0\ FT}{1{,}806\ FT}$ = 0.000554 FT/FT

n = POROSITY = 0.405

	K	V_T
LOW	6.96 FT/DAY	0.00952 FT/DAY
HIGH	39.4 FT/DAY	0.0539 FT/DAY

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OPPD NEBRASKA CITY ASH LANDFILL GROUNDWATER CONTOUR MAP APRIL 2025

2025 GROUNDWATER MONITORING report

DATE
JUNE 2025

FIGURE
03

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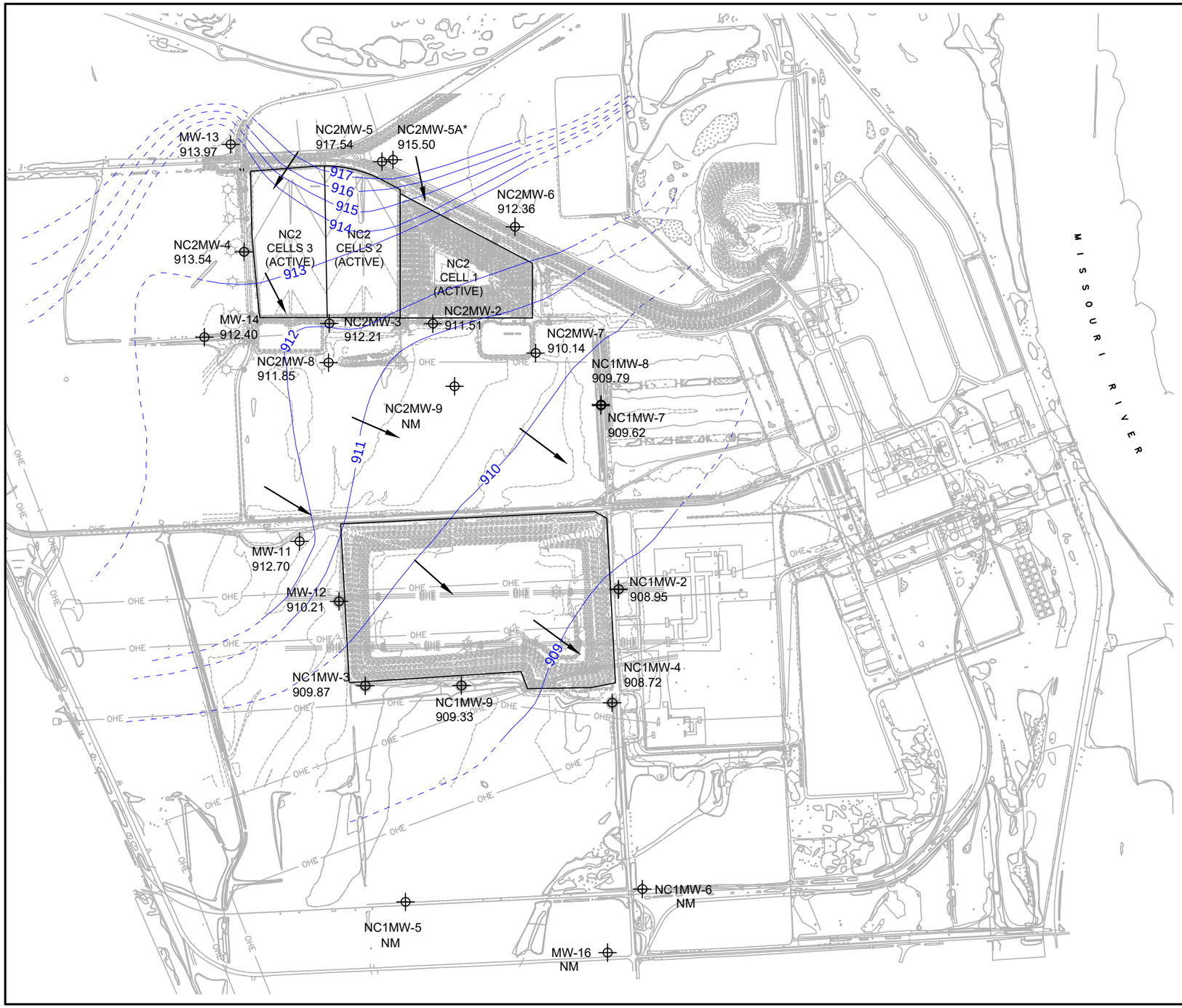

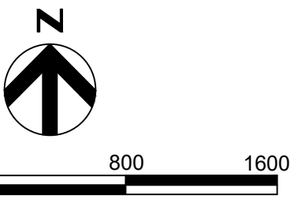

LEGEND:

⊕	MONITORING WELL
917.00	GROUNDWATER ELEVATION
917	GROUNDWATER CONTOUR
- - - - - -	INFERRED GROUNDWATER CONTOUR
→	INFERRED GROUNDWATER FLOW DIRECTION
NM	NOT MEASURED

NOTES:

1. MONITORING WELL NC1MW-7 WAS NOT USED IN GENERATION OF CONTOUR MAP DUE TO BEING SCREENED AT A DEEPER INTERVAL.
2. MONITORING WELLS MW-16, NC1MW-5, NC1MW-6, AND NC2MW-9 WERE NOT USED IN GENERATION OF CONTOUR MAP BECAUSE WATER LEVELS COULD NOT BE MEASURED DUE TO SITE INACCESSIBILITY.
3. * - SYMBOL INDICATED GROUNDWATER ELEVATION APPEARS TO BE ANOMALOUS. MONITORING WELL WAS NOT USED IN GENERATION OF CONTOUR MAP.

VELOCITY COMPUTATIONS

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

K = HYDRAULIC CONDUCTIVITY (SEE TABLE)

i = GRADIENT = $\frac{1.0\ FT}{477\ FT}$ = 0.00210 FT/FT

n = POROSITY = 0.405

	K	V_T
LOW	6.96 FT/DAY	0.03603 FT/DAY
HIGH	39.4 FT/DAY	0.20395 FT/DAY

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OPPD NEBRASKA CITY ASH LANDFILL GROUNDWATER CONTOUR MAP OCTOBER 2025

2025 GROUNDWATER MONITORING REPORT

DATE
OCTOBER 2025

FIGURE
04

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Tables

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Table 1 - Groundwater Monitoring System
Omaha Public Power District - NC2 Ash Disposal Area

Monitoring Well ID	Date Installed	Well Depth (feet bgs)[1]	Location w/ respect to NC2 Ash Disposal Area	Ground Surface Elevation (feet AMSL)	Top of Well Casing Elevation (feet AMSL)
CCR Monitoring Network Wells					
NC2MW-2	9/8/2004	15	Downgradient	919.80	922.55
NC2MW-3	9/8/2004	11	Downgradient	913.30	919.58
NC2MW-4	9/8/2004	14	Background/Upgradient	917.07	919.62
NC2MW-5	9/16/2004	13	Background/Upgradient	919.34	922.76
NC2MW-6	9/7/2004	11	Crossgradient	916.30	919.72
NC2MW-7	11/6/2013	21	Downgradient	915.11	918.20
NC2MW-8	7/9/2018	15	Downgradient	915.20	917.97
MW-13	1/26/2016	13	Background/Upgradient	915.97	918.05
Water Level Only Wells					
NC1MW-2	3/14/1995	17.8	Downgradient	917.23	919.42
NC1MW-3	3/13/1995	19.5	Downgradient	917.10	919.85
NC1MW-4	3/13/1995	20.3	Downgradient	916.79	919.63
NC1MW-5	3/17/1995	16.6	Downgradient	917.61	920.70
NC1MW-6	3/13/1995	16.5	Downgradient	914.01	916.67
NC1MW-7	1/20/1999	40	Downgradient	917.12	919.20
NC1MW-8	1/21/1999	20	Downgradient	917.19	919.68
NC1MW-9	1/21/1999	20.0	Downgradient	917.52	920.09
NC2MW-5A	9/16/2019	17.2	Upgradient	919.13	922.05
NC2MW-9	9/17/2019	18.3	Downgradient	917.49	920.35
MW-11	1/16/2004	20	Downgradient	915.72	918.44
MW-12	3/26/2004	18	Downgradient	917.91	920.36
MW-14	7/12/2018	18	Crossgradient	917.99	920.99

Notes:

1. Depth from ground surface to bottom of installed well (screen depth). Actual boring depth may be deeper.

bgs - below ground surface

AMSL - above mean sea level

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Table 2 - Groundwater Sampling Event Summary
Omaha Public Power District - NC2 Ash Disposal Area

Monitoring Well ID	# of Initial Background Samples	Initial Background Sample Dates	# of Detection Monitoring Samples [1], [6]	Detection Monitoring Sample Dates	# of Assessment Monitoring Samples	Assessment Monitoring Sample Dates
Current Background Monitoring Wells						
NC2MW-4 [5]	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	7	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 4/8/2019, 10/15/2019, 1/30/2020	13	4/27/2020, 7/14/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 4/10/2023, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/6/2025
NC2MW-5 [7]	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	7	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 4/8/2019, 10/15/2019, 1/30/2020	12	4/27/2020, 7/14/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/6/2025
MW-13 [2], [3], [5]	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	5	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 1/30/2020	13	4/27/2020, 7/14/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 4/10/2023, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/6/2025
Downgradient Monitoring Wells						
NC2MW-2	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	8	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 4/8/2019, 9/23/2019, 10/15/2019, 1/31/2020	13	4/27/2020, 7/14/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 4/10/2023, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/7/2025
NC2MW-3 [2]	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	7	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 9/23/2019, 10/15/2019, 1/31/2020	13	4/27/2020, 7/14/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 4/11/2023, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/6/2025
NC2MW-6 [7], [8]	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	7	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 4/8/2019, 10/15/2019, 1/31/2020	11	4/27/2020, 7/14/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 10/10/2023, 4/15/2024, 10/7/2024, 10/6/2025
NC2MW-7	8	3/14/2016, 6/3/2016, 8/31/2016, 11/17/2016, 2/15/2017, 4/24/2017, 6/15/2017, 7/12/2017	8	11/9/2017, 3/12/2018, 6/6/2018, 10/3/2018, 4/8/2019, 9/23/2019, 10/15/2019, 2/3/2020	13	4/27/2020, 7/15/2020, 10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 4/10/2023, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/7/2025
NC2MW-8 [2]	8[4]	10/3/2018, 1/15/2019, 3/5/2019, 9/23/2019, 10/16/2019, 1/31/2020, 4/27/2020, 7/14/2020	0	N/A	11	10/5/2020, 4/12/2021, 10/4/2021, 4/4/2022, 10/3/2022, 4/10/2023, 10/10/2023, 4/15/2024, 10/7/2024, 4/7/2025, 10/7/2025

[1] The number of detection monitoring samples includes the 3/12/2018 event, which occurred as part of an Alternative Source Demonstration.

[2] MW-13, NC2MW-3, and NC2MW-8 were submerged under water during April 2019 sampling event and were not sampled.

[3] MW-13 was surrounded by ponding water during October 2019 sampling event and was not sampled.

[4] NC2MW-8 was installed July 9, 2018 and was added to the Groundwater Monitoring System Certification in June 2019. The 9/23/2019 sampling event was part of an Alternative Source Demonstration for the Title 132 Groundwater Assessment Report.

[5] Background wells have been sampled on more dates than are listed for the initial background and detection monitoring sample dates. This is due to two background wells (NC2MW-4 and MW-13) being sampled for both NC1 and NC2 Ash Disposal Areas. Sampling dates for the NC1 Ash Disposal Area have not been included in the sampling event summary, but are included within the dataset used for statistical analysis.

[6] Four wells, NC2MW-2, NC2MW-3, NC2MW-7, and NC2MW-8, were sampled during the 9/23/2019 fieldwork as part of an Alternative Source Demonstration for the Title 132 Groundwater Assessment Report .

[7] NC2MW-5 and NC2MW-6 were either dry or had insufficient water volume during the April 2023 sampling event and were not sampled.

[8] NC2MW-6 was dry during the April 2025 sampling event and was not sampled.

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Table 3 - Groundwater Elevations
Omaha Public Power District - NC2 Ash Disposal Area

	CCR Monitoring Network Wells															
	NC2MW-4		NC2MW-5		MW-13		NC2MW-2		NC2MW-3		NC2MW-6		NC2MW-7		NC2MW-8	
	TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation	
	919.62		922.76		918.05		922.55		919.58		919.72		918.20		917.97	
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)
3/14/2016	6.91	912.71	6.98	915.78	4.75	913.30	10.80	911.75	4.05	915.53	7.95	911.77	7.04	911.16		
6/3/2016	5.62	914.00	7.67	915.09	3.51	914.54	8.96	913.59	2.55	917.03	6.02	913.70	4.80	913.40		
8/31/2016	5.05	914.57	5.30	917.46	2.85	915.20	8.91	913.64	2.31	917.27	5.95	913.77	5.40	912.80		
11/17/2016	6.80	912.82	9.25	913.51	4.40	913.65	10.90	911.65	4.10	915.48	8.10	911.62	7.20	911.00		
2/15/2017	7.50	912.12	10.20	912.56	5.21	912.84	11.70	910.85	4.95	914.63	9.00	910.72	8.15	910.05		
4/24/2017	6.11	913.51	8.48	914.28	4.00	914.05	9.85	912.70	3.21	916.37	7.00	912.72	5.96	912.24	*Well Installed 7/9/2018*	
6/15/2017	6.75	912.87	9.82	912.94	4.70	913.35	10.30	912.25	3.42	916.16	7.35	912.37	6.35	911.85		
7/12/2017	7.11	912.51	10.15	912.61	5.02	913.03	10.76	911.79	4.25	915.33	7.90	911.82	6.80	911.40		
11/9/2017	12.20	907.42	14.20	908.56	8.25	909.80	15.10	907.45	12.10	907.48	11.20	908.52	10.50	907.70		
3/12/2018	10.18	909.44	12.95	909.81	8.10	909.95	13.90	908.65	7.15	912.43	10.88	908.84	10.00	908.20		
6/6/2018	6.80	912.82	9.70	913.06	4.65	913.40	10.35	912.20	3.70	915.88	7.25	912.47	6.35	911.85		
10/3/2018	4.14	915.48	4.95	917.81	1.63	916.42	7.39	915.16	0.80	918.78	4.30	915.42	3.20	915.00	3.15	914.82
3/5/2019[1]	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	N.M.	6.67	911.30
4/8/2019[2]	3.53	916.09	4.56	918.20	N.M.	N.M.	6.70	915.85	N.M.	N.M.	4.18	915.54	2.74	915.46	N.M.	N.M.
10/14/2019[3]	3.47	916.15	4.48	918.28	N.M.	N.M.	6.34	916.21	0.21	919.37	3.75	915.97	2.27	915.93	2.38	915.59
1/30/2020	5.44	914.18	5.81	916.95	3.39	914.66	9.09	913.46	2.56	917.02	6.11	913.61	5.37	912.83	4.75	913.22
4/20/2020	5.24	914.38	6.37	916.39	2.94	915.11	8.83	913.72	2.36	917.22	5.97	913.75	4.99	913.21	4.59	913.38
7/14/2020	7.19	912.43	10.02	912.74	5.23	912.82	10.44	912.11	7.89	911.69	7.45	912.27	6.32	911.88	6.28	911.69
10/5/2020	9.65	909.97	12.63	910.13	7.76	910.29	12.92	909.63	10.34	909.24	9.90	909.82	8.81	909.39	8.68	909.29
4/6/2021	6.76	912.86	5.87	916.89	4.73	913.32	10.57	911.98	7.72	911.86	7.62	912.10	6.76	911.44	6.03	911.94
10/1/2021	10.17	909.45	13.15	909.61	8.32	908.08	13.48	909.07	11.55	908.03	10.38	909.34	9.37	908.83	9.16	908.81
4/1/2022	10.27	909.35	6.29	916.47	8.19	909.86	14.14	908.41	12.00	907.58	11.21	908.51	10.45	907.75	9.61	908.36
10/1/2022	11.82	907.80	14.90	907.86	10.04	908.01	14.60	907.95	12.72	906.86	11.84	907.88	10.79	907.41	11.66	906.31
4/6/2023[4]	12.43	907.19	N.M.	N.M.	9.97	908.08	15.95	906.60	13.79	905.79	14.02	905.70	11.94	906.26	11.49	906.48
10/10/2023[5,6]	11.20	908.42	N.M.	N.M.	9.48	908.57	14.41	908.14	11.87	907.71	11.35	908.37	10.32	907.88	10.04	907.93
4/11/2024	11.98	907.64	15.02	907.74	10.25	907.80	15.42	907.13	13.55	906.03	12.30	907.42	11.47	906.73	10.98	906.99
10/4/2024	10.13	909.49	12.95	909.81	8.24	909.81	13.44	909.11	10.90	908.68	10.31	909.41	9.34	908.86	9.13	908.84
4/7/2025[7]	11.74	907.88	14.99	907.77	9.94	908.11	15.27	907.28	12.56	907.02	N.M.	N.M.	11.34	906.86	10.92	907.05
10/6/2025[8]	6.08	913.54	5.22	917.54	4.08	913.97	11.04	911.51	7.37	912.21	7.36	912.36	8.06	910.14	6.12	911.85

Table 3 - Groundwater Elevations

Omaha Public Power District - NC2 Ash Disposal Area

	Water Level Only Wells															
	NC1MW-2		NC1MW-3		NC1MW-4		NC1MW-5		NC1MW-6		NC1MW-7		NC1MW-8		NC1MW-9	
	TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation	
	919.42		919.85		919.63		920.70		916.67		919.20		919.68		920.09	
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)
3/9/2016	8.90	910.52	8.95	910.90	9.50	910.13	10.82	909.88	7.55	909.12	8.25	910.95	8.60	911.08	9.30	910.79
6/7/2016	7.04	912.38	7.75	912.10	7.41	912.22	9.67	911.03	6.31	910.36	6.43	912.77	6.80	912.88	7.88	912.21
10/3/2016	8.45	910.97	8.35	911.50	9.10	910.53	12.99	907.71	6.86	909.81	7.94	911.26	8.53	911.15	8.76	911.33
11/18/2016	9.30	910.12	9.36	910.49	10.10	909.53	11.25	909.45	8.20	908.47	8.72	910.48	9.10	910.58	7.75	912.34
2/14/2017	10.10	909.32	9.91	909.94	10.85	908.78	11.70	909.00	8.80	907.87	9.60	909.60	10.00	909.68	10.41	909.68
4/25/2017	8.10	911.32	8.25	911.60	8.84	910.79	10.30	910.40	7.02	909.65	7.41	911.79	7.75	911.93	8.65	911.44
6/20/2017	7.60	911.82	7.95	911.90	8.20	911.43	10.72	909.98	7.42	909.25	7.85	911.35	8.04	911.64	8.15	911.94
7/13/2017	8.40	911.02	8.75	911.10	9.10	910.53	10.50	910.20	8.10	908.57	8.32	910.88	8.89	910.79	9.10	910.99
11/8/2017	11.55	907.87	11.90	907.95	11.60	908.03	10.90	909.80	8.70	907.97	9.05	910.15	9.18	910.50	12.10	907.99
3/13/2018[1]	11.50	907.92	11.85	908.00	12.16	907.47	NM	NM	NM	NM	NM	NM	NM	NM	12.22	907.87
6/6/2018[1]	5.30	914.12	7.15	912.70	7.10	912.53	NM	NM	NM	NM	NM	NM	NM	NM	8.90	911.19
10/4/2018	5.78	913.64	6.60	913.25	6.66	912.97	8.85	911.85	5.41	911.26	4.48	914.72	5.14	914.54	6.87	913.22
1/15/2019[1]	NM	NM	NM	NM	NM	NM	10.06	910.64	6.56	910.11	NM	NM	NM	NM	NM	NM
3/5/2019[1]	NM	NM	NM	NM	NM	NM	NM	NM	8.08	908.59	NM	NM	NM	NM	NM	NM
4/8/2019[2]	4.17	915.25	4.69	915.16	4.58	915.05	NM	NM	NM	NM	3.68	915.52	3.98	915.70	4.85	915.24
10/14/2019[3]	3.64	915.78	4.56	915.29	4.33	915.30	NM	NM	NM	NM	3.01	916.19	3.33	916.35	4.65	915.44
4/20/2020	6.82	912.60	7.42	912.43	7.60	912.03	9.70	911.00	6.16	907.85	6.05	913.15	6.36	913.32	7.69	912.40
10/5/2020	10.52	908.90	11.13	908.72	11.17	908.46	12.90	907.80	9.11	907.56	10.06	909.14	10.36	909.32	11.35	908.74
4/6/2021	8.91	910.51	8.90	910.95	9.53	910.10	10.95	909.75	7.58	909.09	8.20	911.00	8.54	911.14	9.34	910.75
10/1/2021	11.27	908.15	11.74	908.11	11.84	907.79	13.54	907.16	9.66	907.01	10.69	908.51	11.02	908.66	12.00	908.09
4/1/2022	12.52	906.90	12.22	907.63	13.01	906.62	14.02	906.68	10.72	905.95	11.99	907.21	12.29	907.39	12.74	907.35
10/1/2022	12.62	906.80	13.09	906.76	13.12	906.51	14.82	905.88	11.05	905.62	11.91	907.29	12.23	907.45	13.28	906.81
4/6/2023[4]	13.81	905.61	13.94	905.91	14.25	905.38	15.61	905.09	11.87	904.80	13.22	905.98	13.57	906.11	14.29	905.80
10/10/2023[5,6]	12.12	907.30	12.56	907.29	12.57	907.06	14.27	906.43	10.33	906.34	11.51	907.69	11.83	907.85	12.76	907.33
4/11/2024	13.27	906.15	13.56	906.29	13.74	905.89	15.21	905.49	11.39	905.28	12.73	906.47	13.04	906.64	13.87	906.22
10/4/2024	11.19	908.23	11.68	908.17	11.82	907.81	13.58	907.12	9.84	906.83	10.54	908.66	10.85	908.83	11.92	908.17
4/7/2025[7]	13.16	906.26	13.33	906.52	13.69	905.94	15.24	905.46	11.36	905.31	12.65	906.55	12.95	906.73	13.70	906.39
10/6/2025[8]	10.47	908.95	9.98	909.87	10.91	908.72	NM	NM	NM	NM	9.58	909.62	9.89	909.79	10.76	909.33

Table 3 - Groundwater Elevations

Omaha Public Power District - NC2 Ash Disposal Area

	Water Level Only Wells									
	NC2MW-5A		NC2MW-9		MW-11		MW-12		MW-14	
	TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation		TOC Elevation	
	922.05		920.35		918.44		920.36		920.99	
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)
3/9/2016	*Well Installed 9/16/2019*		*Well Installed 9/17/2019*		6.90	911.54	9.00	911.36	*Well installed 7/12/2018*	
6/7/2016					5.85	912.59	7.80	912.56		
10/3/2016					6.34	912.10	8.40	911.96		
11/18/2016					7.37	911.07	9.35	911.01		
2/14/2017					7.95	910.49	9.95	910.41		
4/25/2017					6.24	912.20	8.20	912.16		
6/20/2017					7.85	910.59	8.40	911.96		
7/13/2017					6.25	912.19	8.52	911.84		
11/8/2017					10.95	907.49	12.55	907.81		
3/13/2018[1]					9.85	908.59	NM	NM		
6/6/2018[1]					6.80	911.64	NM	NM		
10/4/2018					4.45	913.99	6.55	913.81	7.35	913.64
1/15/2019[1]					NM	NM	NM	NM	8.15	912.84
3/5/2019[1]					NM	NM	NM	NM	8.75	912.24
4/8/2019[2]					3.04	915.40	4.89	915.47	5.73	915.26
10/14/2019[3]	4.38	917.67	4.19	916.16	2.90	915.54	4.77	915.59	5.75	915.24
4/20/2020	7.49	914.56	6.76	913.59	5.48	912.96	7.41	912.95	7.59	913.40
10/5/2020	11.88	910.17	10.81	909.54	9.37	909.07	11.29	909.07	11.47	909.52
4/6/2021	8.70	913.35	8.56	911.79	7.01	911.43	8.97	911.39	8.51	912.48
10/1/2021	12.39	909.66	11.42	908.93	9.88	908.56	11.86	908.50	11.98	909.01
4/1/2022	11.57	910.48	12.09	908.26	10.42	908.02	12.35	908.01	11.74	909.25
10/1/2022	14.20	907.85	12.77	907.58	11.31	907.13	13.24	907.12	13.87	907.12
4/6/2023[4]	14.67	907.38	13.80	906.55	12.20	906.24	14.13	906.23	14.01	906.98
10/10/2023[5,6]	13.35	908.70	N.M.	N.M.	10.83	907.61	12.64	907.72	13.30	907.69
4/11/2024	14.17	907.88	13.22	907.13	11.77	906.67	13.72	906.64	13.57	907.42
10/4/2024	12.23	909.82	11.20	909.15	9.91	908.53	11.79	908.57	12.35	908.64
4/7/2025[7]	14.11	907.94	13.07	907.28	11.61	906.83	13.47	906.89	13.29	907.70
10/6/2025[8]	6.55	915.50	NM	NM	5.74	912.70	10.15	910.21	8.59	912.40

Notes:

TOC =Top of PVC well casing

N.M. = not measured

AMSL = above mean sea level

[1] The monitoring events were conducted to either establish a background database at a new monitoring well or conduct verification sampling. During these monitoring events, only select monitoring wells were gauged for groundwater elevation.

[2] MW-13, NC2MW-3, and NC2MW-8 were surrounded by ponding water during April 2019 sampling event and were not measured.

[3] MW-13 was surrounded by ponding water during October 2019 sampling event and was not measured.

[4] NC2MW-5 was dry during the April 2023 sampling event.

[5] NC2MW-5 water level was below the top of pump during October 2023 sampling event.

[6] NC2MW-9 was dry during the October 2023 sampling event.

[7] NC2MW-6 was dry during the April 2025 sampling event.

[8] NC1MW-5, NC1MW-6, NC2MW-9 were inaccessible during October 2025 sampling event.

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Table 4 - Appendix III (Detection Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix III (Detection Monitoring) Constituents						
	Constituent	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L
NC2MW-4	3/9/2016	<0.2	131	<5	<0.5	6.94	46.2	546
	3/14/2016	<0.2	126	6.27	0.213	6.84	48.3	536
	6/3/2016	<0.2	130	<5	<0.5	6.90	46.8	668
	6/7/2016	<0.2	129	<5	<0.5	6.95	45.6	660
	8/31/2016	<0.2	91.1	7.13	0.646	7.20	29.7	574
	11/17/2016	<0.2	130	<5	1.28	7.19	34.0	548
	11/18/2016	<0.2	132	<5	1.10	7.30	33.6	574
	2/14/2017	<0.2	148	<5	<0.5	7.72	39.3	544
	2/15/2017	<0.2	142	10.8	2.43	7.63	39.7	526
	4/24/2017	<0.2	126	<5	1.08	7.08	38.6	574
	4/25/2017	<0.2	122	<5	<0.5	7.28	38.3	594
	6/15/2017	<0.2	122	<5	<0.5	7.09	32.2	552
	6/20/2017	<0.2	119	<5	<0.5	7.13	33.1	558
	7/12/2017	<0.2	104	<5	<0.5	7.88	32.7	580
	7/13/2017	<0.2	112	<5	<0.5	7.98	32.7	664
	11/8/2017	<0.2	133	<5	<0.5	7.15	43.50	556.0
	11/9/2017	<0.2	134	<5	<0.5	7.18	42.8	568
	3/12/2018	<0.2	141	<5	<0.5	6.32 / 7.28 [1]	42.6	562
	6/6/2018	<0.2	140	<5	<0.5	7.15	44.1	542
	10/3/2018	<0.2	117	<5	<0.5	6.81	42.4	520
	4/8/2019	<0.2	137	<5	<0.5	6.71	40.9	560
	10/15/2019	<0.2	142	5.38	<0.5	6.57	35.0	528
	1/30/2020	0.115J	142	<5	<0.5	6.88	44.5	544
	4/20/2020	<0.1	127	5.05	0.421J	6.54	51.9	526
	4/27/2020	<0.0730	134	5.37	0.315J	6.61	52.6	550
	7/14/2020	0.113	129	4.38J	<0.23	6.53	59.9	454
	10/5/2020	0.0996J	154	5.60	<0.23	6.81	46.1	608
	4/12/2021	0.0838J	103	4.93J	0.311J	6.27	61.6	448
	10/4/2021	0.119	128	4.86J	<0.275	6.93	62.6	486
	4/4/2022	0.126	128	3.29J	<0.220	6.02 / 7.3^	60.4	444
	10/4/2022	0.160	118	5.30	<0.220	7.08	37.4	442
	4/10/2023	0.223	125	5.76	<0.375	6.96	49.0	616
	10/10/2023	0.126	119	4.22J	<0.375	6.12	44.8	430
	4/15/2024	0.0951J	143	5.00	<0.375	6.32	51.7	468
	10/7/2024	0.158	133	5.55	0.511J	6.90	52.3	470
	4/7/2025	0.150	116	3.83	0.253	6.62	56.5	498
	10/6/2025	0.147	131	2.40	0.230	6.97	48.1	542
NC2MW-5	3/14/2016	3.73	210	51.0	<0.5	7.12	611.0	1310
	6/3/2016	3.98	217	36.6	<0.5	7.01	590.0	1390
	8/31/2016	4.08	159	21.5	<0.5	7.11	455.0	1280
	11/17/2016	4.27	228	21.6	1.89	7.54	414.0	1170
	2/15/2017	2.94	217	13.3	0.59	7.30	531.0	1210
	4/24/2017	2.85	183	12.5	1.25	7.55	331.0	1060
	6/15/2017	3.82	190	10.6	<0.5	7.17	243.0	1090
	7/12/2017	4.63	191	7.93	<0.5	7.45	369.0	1190
	11/9/2017	2.91	168	13.2	<0.5	7.20	404.0	1260
	3/12/2018	2.00	160	34.2	<0.5	6.90 / 7.56 [1]	318.0	826
	6/6/2018	3.81	198	14.0	<0.5	7.02	353.0	1060
	10/3/2018	4.01	227	8.65	<0.5	7.00	503	1230
	4/8/2019	3.72	189	5.42	0.634	7.15	382	1030
	10/15/2019	3.66	195	9.2	<0.5	7.00	322	924
	1/30/2020	2.65	172	8.61	<0.5	7.23	297	692
	4/27/2020	3.31	174	6.39	0.323J	6.84	381	946
	7/14/2020	4.26	216	9.02	<0.23	6.83	324	1020
	10/5/2020	4.27	221	10.6	<0.23	6.96	339	1040
	4/12/2021	2.24	114	9.45	0.356J	6.60	203	606
	10/4/2021	2.86	168	9.28	<0.275	7.19	282	826
	4/4/2022	2.31	167	9.57	<0.220	7.37 / 7.5^	336	802
	10/4/2022	3.81	169	7.59	<0.220	7.30	202	832
	4/10/2023	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]
	10/10/2023	3.27	186	14.4	<0.375	6.38	246	874
	4/15/2024	3.00	198	16.5	<0.375	6.45	290	934
	10/7/2024	5.69	327	25.2	<0.375	6.95	656	1570
	4/7/2025	2.23	207	33.1	0.242	6.99	454	1280
	10/6/2025	3.64	188	15.2	0.492	7.30	260	882

Table 4 - Appendix III (Detection Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix III (Detection Monitoring) Constituents						
	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-13	3/9/2016	<0.2	96.3	11.8	<0.5	7.20	44.8	408
	3/14/2016	<0.2	90.6	11.4	<0.5	6.97	47.7	438
	6/3/2016	<0.2	87.9	12.0	<0.5	7.11	37.6	360
	6/7/2016	<0.2	87.1	11.7	<0.5	7.14	39.3	484
	8/31/2016	<0.2	66.6	11.1	<0.5	7.71	31.3	414
	11/17/2016	<0.2	84.2	9.33	0.803	7.79	34.7	430
	11/18/2016	<0.2	86.2	9.65	0.647	7.14	34.4	410
	2/14/2017	<0.2	106	20.7	3.64	7.29	39.9	472
	2/15/2017	<0.2	94.9	11.2	<0.5	7.21	40.9	448
	4/24/2017	<0.2	94.1	12.0	0.79	7.27	39.5	520
	4/25/2017	<0.2	93.5	12.1	0.80	7.36	38.9	430
	6/15/2017	<0.2	91.1	12.4	<0.5	7.28	34.2	454
	6/20/2017	<0.2	88.6	12.7	0.51	7.17	35.6	456
	7/12/2017	<0.2	95.8	16.8	<0.5	8.10	42.0	676
	7/13/2017	<0.2	94.1	12.5	<0.5	8.09	39.8	592
	11/8/2017	<0.2	90.2	12.7	0.608	7.00	37.4	498
	11/9/2017	<0.2	95.2	12.4	0.55	7.12	36.4	488
	3/12/2018	<0.2	99.8	12.9	<0.5	6.45 / 7.51 [1]	37.0	412
	6/6/2018	0.203	102	12.5	<0.5	6.84	71.0	504
	10/3/2018	<0.2	87.3	14.1	0.738	6.88	33.6	410
	4/8/2019	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]
	10/15/2019	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]
	1/30/2020	0.121J	93.7	17.2	<0.5	6.87	44.5	464
	4/20/2020	0.133J	120	17.3	0.399J	6.96	371	742
	4/27/2020	0.134	102	17.2	0.383J	6.93	271	622
	7/14/2020	0.134	103	7.22	0.267J	6.84	299	566
	10/5/2020	0.0955J	118	12.8	<0.23	$6.90	46.2	508
	4/12/2021	0.0653J	66.9	5.50	0.441J	6.58	101	350
	10/4/2021	0.105	126	11.5	<0.275	6.99	47.4	510
	4/4/2022	0.0931J	130	10.7	<0.220	6.15 / 7.2^	48.8	470
	10/3/2022	0.113	112	9.85	<0.220	6.90	13.3	470
	4/10/2023	0.136	120	12.2	<0.375	6.95	31.6	736
	10/10/2023	0.0986J	141	11.4	1.00	6.65	7.56	544
	4/15/2024	0.0852J	138	12.5	<0.375	7.02	77.1	524
	10/7/2024	0.114	137	12.2	<0.375	6.96	59.3	534
	4/7/2025	0.122	114	12.4	0.302	7.04	53.5	520
	10/6/2025	0.141	75.4	13.0	0.228	6.82	25.7	330
NC2MW-2	3/14/2016	<0.2	277	<5	0.371	6.80	388.0	1120
	6/3/2016	0.301	196	<5	<0.5	6.79	336.0	972
	8/31/2016	0.511	130	<5	<0.5	7.04	151.0	696
	11/17/2016	0.302	236	<5	<0.5	7.23	298.0	1030
	2/15/2017	0.219	269	13.2	2.51	7.28	290.0	1070
	4/24/2017	0.264	158	5.40	1.38	7.21	135.0	652
	6/15/2017	0.304	165	<5	<0.5	7.04	139.0	780
	7/12/2017	0.325	127	<5	<0.5	7.03	73.0	592
	11/9/2017	0.25	131	<5	<0.5	7.19	130.0	662
	3/12/2018	<0.2	176	5.08	<0.5	6.26 / 6.96 [1]	258.0	656
	6/6/2018	0.353	220	15.7	<0.5	6.45 / 6.71 [2]	281.0	1180
	10/3/2018	0.438	167	<5	<0.5	6.86	164	668
	4/8/2019	0.270	227	11.8	<0.5	6.68	290	978
	9/23/2019	0.879	151	9.73	0.546	N.S.	238	654
	10/15/2019	0.513	241	10.7	<0.5	6.54	314	972
	1/31/2020	0.322	258	9.78	<0.5	6.39	312	1090
	4/27/2020	0.265	252	9.64	0.256J	6.49	350	1140
	7/14/2020	0.291	261	7.93	<0.23	6.67	319	1070
	10/5/2020	0.289	268	7.67	<0.23	6.70	324	1050
	4/12/2021	0.371	235	24.7	0.392J	6.34	458	1040
	10/4/2021	0.668	183	11.6	<0.275	6.91	266	726
	4/4/2022	0.456	231	18.1	<0.220	4.18 / 6.7^	381	934
	10/3/2022	0.559	241	11.3	0.330J	7.03	319	1030
	4/10/2023	0.496	257	19.5	0.442J	6.96	404	1070
	10/10/2023	1.04	222	9.49	<0.375	6.59	374	928
	4/15/2024	0.602	328	35.3	<0.375	6.44	719	1350
	10/7/2024	0.826	289	21.5	0.603J	6.62	474	1170
	4/7/2025	0.570	222	25.5	0.320	6.70	506	1080
	10/7/2025	1.32	281	17.6	0.267	6.43	475	1190

Table 4 - Appendix III (Detection Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix III (Detection Monitoring) Constituents						
	Constituent	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L
NC2MW-3	3/14/2016	<0.2	85.3	<5	0.168	7.05	21.0	334
	6/3/2016	<0.2	121	<5	<0.5	7.14	19.6	500
	8/31/2016	<0.2	51.3	<5	<0.5	7.18	7.35	296
	11/17/2016	<0.2	91	<5	1.28	7.32	5.6	354
	2/15/2017	<0.2	74.2	15.6	5.11	7.09	49.6	378
	4/24/2017	<0.2	63.3	9.00	2.87	7.68	10.5	324
	6/15/2017	<0.2	89.4	<5	<0.5	7.32	<5	386
	7/12/2017	<0.2	92.8	<5	<0.5	7.99	8.94	528
	11/9/2017	<0.2	148	<5	<0.5	7.33	185.0	604
	3/12/2018	<0.2	167	11.7	0.723	6.61 / 7.41 [1]	371.0	792
	6/6/2018	0.654	198	22.9	<0.5	4.40 / 6.91 [2]	491.0	978
	10/3/2018	<0.2	127	8.74	0.523	6.94	31.2	478
	4/8/2019	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]
	9/23/2019	<0.2	132	7.53	0.527	N.S.	24	494
	10/15/2019	<0.2	138	7.92	<0.5	6.81	20.3	472
	1/31/2020	<0.1	156	6.90	<0.5	6.61	89.9	600
	4/27/2020	0.0765J	181	8.70	0.300J	6.62	183	774
	7/14/2020	0.401	204	3.86J	<0.23	6.8	407	842
	10/5/2020	0.213	159	7.71	0.535	6.76	156	644
	4/12/2021	0.271	141	22.7	1.37	6.53	379	1080
	10/4/2021	0.306	139	12.6	0.492J	7.02	292	860
	4/4/2022	0.198	212	47.0	1.12	4.01 / 7.1^	703	1590
	10/3/2022	0.468	194	12.1	1.17	7.15	563	1440
	4/11/2023	0.265	182	11.1	1.07	6.91	401	1110
	10/10/2023	0.406	179	9.24	1.26	6.72	427	1140
	4/15/2024	0.384	198	7.42	0.844J	6.76	355	1030
	10/7/2024	0.458	173	7.54	1.44	6.76	373	1160
	4/7/2025	0.206	134	6.28	0.937	7.07	109	674
	10/6/2025	0.466	149	11.4	1.87	7.12	344	1300
NC2MW-6	3/14/2016	3.83	134	16.5	<0.5	7.21	314.0	728
	6/3/2016	4.14	93.0	6.16	<0.5	7.27	171.0	608
	8/31/2016	4.79	90.4	<5.0	<0.5	7.43	149.0	592
	11/17/2016	5.11	125	15	6.53	7.63	165.0	588
	2/15/2017	4.11	132	<5.0	<0.5	7.77	136.0	602
	4/24/2017	3.08	96.5	10.2	1.71	7.68	99.1	530
	6/15/2017	3.58	119	6.26	<0.5	7.35	196.0	636
	7/12/2017	3.92	102	<5.0	<0.5	7.25	155.0	596
	11/9/2017	4.39	128	6.75	<0.5	7.24	195.0	872
	3/12/2018	3.06	145	7.14	<0.5	6.64 / 7.38 [1]	194.0	644
	6/6/2018	3.58	133	5.53	<0.5	7.19	174.0	694
	10/3/2018	4.18	129	<5.0	<0.5	6.97	200	660
	4/8/2019	2.46	94.3	<5	<0.5	7.18	141	520
	10/15/2019	2.79	154	9.08	<0.5	6.82	151	656
	1/31/2020	2.86	149	8.67	<0.5	6.94	171	884
	4/27/2020	2.59	125	8.29	0.335J	6.80	149	586
	7/14/2020	2.60	122	7.83	0.232J	6.93	135	526
	10/5/2020	3.03	126	8.57	0.329J	6.89	147	404
	4/12/2021	1.94	90.4	3.57J	<0.275	6.65	101	406
	10/4/2021	2.48	123	6.30	<0.275	7.20	132	524
	4/4/2022	2.42	142	6.45	<0.220	7.48 / 7.2^	134	600
	10/4/2022	2.33	120	6.05	<0.220	7.41	97.9	566
	4/10/2023	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]	N.S. [5]
	10/10/2023	2.09	126	5.32	<0.375	6.60	112	580
	4/15/2024	1.98	142	7.41	<0.375	6.56	129	610
	10/7/2024	2.49	158	12.8	1.44	6.98	129	666
	4/7/2025	N.S. [6]	N.S. [6]	N.S. [6]	N.S. [6]	N.S. [6]	N.S. [6]	N.S. [6]
	10/6/2025	4.43	135	3.02	0.178	7.07	192	618
NC2MW-7	3/14/2016	<0.2	134	6.55	0.31	6.92	6.88	496
	6/3/2016	<0.2	128	7.63	<0.5	7.28	<5	690
	8/31/2016	<0.2	100	6.68	<0.5	7.55	<5	534
	11/17/2016	<0.2	138	5.73	0.54	7.77	<5	510
	2/15/2017	<0.2	143	9.96	<0.5	7.55	<5	552
	4/24/2017	<0.2	139	11.3	1.35	7.83	<5	576
	6/15/2017	<0.2	128	9.81	<0.5	7.40	<5	688
	7/12/2017	<0.2	125	8.07	<0.5	7.25	<5	636

Table 4 - Appendix III (Detection Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix III (Detection Monitoring) Constituents						
	Constituent	Boron	Calcium	Chloride	Fluoride*	pH	Sulfate	TDS
	Reporting Unit	mg/L	mg/L	mg/L	mg/L	S.U.	mg/L	mg/L
NC2MW-7 (cont'd)	11/9/2017	0.201	131	7.79	<0.5	7.40	17.8	580
	3/12/2018	<0.2	144	9.04	<0.5	6.72 / 7.42 [1]	25.7	496
	6/6/2018	<0.2	119	9.41	<0.5	7.21	12.0	528
	10/3/2018	<0.2	122	9.19	0.519	7.31	11.6	494
	4/8/2019	0.214	132	8.64	<0.5	7.33	44.0	820
	9/23/2019	<0.2	129	8.33	<0.5	N.S.	19.1	526
	10/15/2019	<0.2	139	8.41	<0.5	7.02	32.1	520
	2/3/2020	0.133J	123	8.51	0.357J	6.76	30.9	534
	4/27/2020	0.172	126	9.12	0.429J	6.89	9.26	518
	7/14/2020	0.161	121	9.83	<0.23	6.81	<3.55	340
	10/5/2020	0.220	122	9.12	0.322J	7.21	<3.55	396
	4/12/2021	0.227	124	8.69	0.415J	6.85	<2.45	494
	10/4/2021	0.190	118	9.27	<0.275	7.38	<2.45	430
	4/4/2022	0.241	132	7.08	<0.220	7.89 / 7.2^	6.49	484
	10/3/2022	0.249	117	8.88	<0.220	7.60	<2.00	482
	4/10/2023	0.142	121	9.73	0.402J	7.37	2.41J	598
	10/10/2023	0.168	114	10.3	<0.375	7.27	<2.10	468
	4/15/2024	0.176	123	9.91	<0.375	7.13	4.70J	464
	10/7/2024	0.213	121	11.1	<0.375	7.06	3.41J	458
	4/7/2025	0.214	106	9.19	0.339	7.17	11.7	508
	10/7/2025	0.232	116	10.7	0.330	7.00	10.9	498
NC2MW-8 [3]	10/3/2018	<0.2	142	7.05	0.566	7.14	10.7	526
	1/15/2019	<0.2	102	8.10	<0.5	6.73	11.6	504
	3/5/2019	<0.2	153	7.84	<0.5	7.02	11.6	512
	4/8/2019	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]	N.S. [4]
	9/23/2019	<0.2	141	8.96	0.582	6.84	<5	534
	10/16/2019	<0.2	140	9.42	<0.5	6.89	<5	476
	1/31/2020	0.747	140	9.19	<0.5	6.71	106	600
	4/27/2020	0.0777J	127	10.8	0.504	6.81	6.46	500
	7/14/2020	0.0838J	127	10.3	<0.23	7.04	6.24	448
	10/5/2020	0.115	116	10.0	0.331J	7.02	5.50	512
	4/12/2021	0.0894J	121	11.8	0.393J	6.58	7.34	470
	10/4/2021	0.107	130	10.3	<0.275	7.26	7.47	436
	4/4/2022	0.114	132	9.66	<0.220	6.61 / 7.3^	9.69	428
	10/3/2022	0.153	125	9.91	<0.220	7.30	13.30	492
	4/10/2023	<0.0760	126	13.0	0.394J	7.16	53.2	556
	10/10/2023	0.120	109	9.63	<0.375	6.61	81.7	454
	4/15/2024	0.101	114	9.30	<0.375	6.80	58.9	418
	10/7/2024	0.113	134	11.30	<0.375	7.09	18.3	456
	4/7/2025	0.169	94.3	7.97	0.332	6.96	119	446
	10/7/2025	0.227	116	9.72	0.360	6.94	148	508

N.S. = Not Sampled

"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 and was not used as a statistically significant detection.

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

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.

^Field measurements of pH for select samples were observed to be anomalous. The pH for these samples were also analyzed by the laboratory. The first pH value is the field measured value, and the second pH value is the lab measured value.

[1] The first pH value obtained in the field on March 13, 2018 was found to be inaccurate due to equipment errors. The second pH value was a verification sample obtained in the field on March 19, 2018.

[2] Verification sampling for pH was completed on August 7, 2018 and determined the June 5, 2018 reading was inaccurate.

[3] NC2MW-8 was installed July 9, 2018 and was added to the Groundwater Monitoring System Certification in June 2019. The 9/23/2019 sampling event was part of an Alternative Source Demonstration for the Title 132 Groundwater Assessment Report.

[4] MW-13, NC2MW-3, and NC2MW-8 were surrounded by ponding water during April 2019 sampling event and were not measured. Additionally, MW-13 was surrounded by ponding water and not sampled during the October 2019 sampling event.

[5] NC2MW-5 and NC2MW-6 were either dry or had insufficient water volume to collect a water sample during the April 2023 sampling event.

[6] NC2MW-6 were dry during the April 2025 sampling event and a groundwater sample was not collected.

Table 5 - Appendix IV (Assessment Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix IV (Assessment Monitoring) Constituents														
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
NC2MW-4	3/9/2016	<0.001	<0.002	0.281	<0.001	<0.0005	<0.005	<0.0005	1.54	<0.5	0.00199	<0.05	<0.0002	0.00272	<0.005	<0.001
	3/14/2016	<0.001	<0.002	0.276	<0.001	<0.0005	<0.005	<0.0005	0.563	0.213	0.00065	<0.05	<0.0002	0.00507	<0.005	<0.001
	6/3/2016	<0.001	<0.002	0.288	<0.001	<0.0005	<0.005	<0.0005	0.739	<0.5	0.000737	<0.05	<0.0002	0.00239	<0.005	<0.001
	6/7/2016	<0.001	<0.002	0.293	<0.001	<0.0005	<0.005	<0.0005	1.21	<0.5	0.000951	<0.05	<0.0002	0.00283	<0.005	<0.001
	8/31/2016	<0.001	<0.002	0.296	<0.001	<0.0005	<0.005	<0.0005	1.04	0.646	0.00162	<0.05	<0.0002	0.00252	<0.005	<0.001
	11/17/2016	<0.001	<0.002	0.284	<0.001	<0.0005	<0.005	<0.0005	1.03	1.28	0.000536	<0.05	<0.0002	0.00597	<0.005	<0.001
	11/18/2016	<0.001	<0.002	0.283	<0.001	<0.0005	<0.005	<0.0005	0.984	1.10	0.00127	<0.05	<0.0002	0.00288	<0.005	<0.001
	2/14/2017	<0.001	<0.002	0.300	<0.001	<0.0005	<0.005	0.00129	0.894	<0.5	0.0032	<0.05	<0.0002	0.0028	<0.005	<0.001
	2/15/2017	<0.001	<0.002	0.272	<0.001	<0.0005	<0.005	0.000584	0.647	2.43	0.00196	<0.05	<0.0002	0.00393	<0.005	<0.001
	4/24/2017	<0.001	<0.002	0.287	<0.001	<0.0005	<0.005	<0.0005	1.08	1.08	0.000802	<0.05	<0.0002	0.00224	<0.005	<0.001
	4/25/2017	<0.001	<0.002	0.3	<0.001	<0.0005	<0.005	<0.0005	1.23	<0.5	0.000714	<0.05	<0.0002	0.00323	<0.005	<0.001
	6/15/2017	<0.001	<0.002	0.249	<0.001	<0.0005	<0.005	0.000521	1.29	<0.5	0.00165	<0.05	<0.0002	0.00422	<0.005	<0.001
	6/20/2017	<0.001	<0.002	0.258	<0.001	<0.0005	<0.005	<0.0005	1.16	<0.5	0.000754	<0.05	<0.0002	0.00551	0.00593	<0.001
	7/12/2017	<0.001	<0.002	0.232	<0.001	<0.0005	<0.005	<0.0005	1.42	<0.5	0.000549	<0.05	<0.0002	0.00233	<0.005	<0.001
	7/13/2017	<0.001	<0.002	0.236	<0.001	<0.0005	<0.005	<0.0005	0.76	<0.5	0.000787	<0.05	<0.0002	0.00326	<0.005	<0.001
	3/12/2018	<0.001	<0.002	0.297	<0.001	<0.0005	<0.005	<0.0005	1.71	<0.5	0.00192	0.0318	<0.0002	<0.002	0.0112	<0.001
	6/6/2018	<0.001	<0.002	0.329	<0.001	<0.0005	<0.005	0.000502	1.90	<0.5	0.00154	0.0292	<0.0002	0.0049	0.00754	<0.001
	10/3/2018	N.S.	<0.002	0.321	N.S.	N.S.	N.S.	<0.0005	1.13	<0.5	0.000565	0.0332	N.S.	0.00707	<0.005	N.S.
	4/8/2019	<0.001	<0.002	0.351	<0.001	<0.0005	<0.005	<0.0005	0.743	<0.5	<0.0005	0.0351	<0.0002	0.00283	<0.005	<0.001
	10/15/2019	<0.001	<0.002	0.390	<0.001	0.000138	<0.005	<0.0005	1.22	<0.5	<0.0005	0.0343	<0.0002	0.00412	<0.005	<0.001
	1/30/2020	<0.00058	0.00109J	0.340	<0.00027	0.0000720J	<0.0011	0.000531	0.610	<0.5	0.00167	0.0347	<0.0001	0.00177J	<0.001	<0.00026
	4/20/2020	0.000609J	<0.000880	0.303	<0.00027	<0.000039	<0.0011	0.000167J	0.684	0.421J	0.000624	0.0305	<0.0001	0.00191J	<0.001	<0.00026
	4/27/2020	<0.00058	<0.000880	0.335	<0.00027	0.0000470J	<0.0011	0.000121J	0.743	0.315J	0.000398J	0.0284	<0.0001	0.00192J	<0.001	<0.00026
	7/14/2020	<0.00051	0.00104J	0.311	<0.00027	0.000119	<0.0011	0.000591	2.19	<0.23	0.00181	0.0311	<0.0001	0.00173J	0.00129J	<0.00026
	10/5/2020	<0.00051	0.00348	0.447	<0.00027	0.0000970J	0.00164J	0.00122	-0.927U	<0.23	0.00243	0.0349	<0.0001	0.00272	<0.001	<0.00026
	4/12/2021	<0.00110	0.00113J	0.268	<0.00027	0.0000580J	<0.00110	0.000256J	0.984	0.311J	0.000833	0.0230	<0.00015	0.0112	0.0111	<0.00026
	10/4/2021	<0.00110	0.00275	0.420	0.000571J	0.000469	0.00110J	0.00203	8.390	<0.275	0.00610	0.0324	<0.00015	0.00154J	0.00391J	0.000527J
	4/4/2022	<0.000690	0.00150J	0.338	<0.000270	0.0000820J	<0.00110	0.000723	0.555U	<0.220	0.00208	0.0301	<0.000110	0.00609	0.0146	<0.000260
	10/4/2022	<0.000690	0.00114J	0.347	<0.000270	0.0000600J	<0.00110	0.000383J	2.640	<0.220	0.00074	0.0303	<0.000110	0.00422	<0.000960	<0.000260
	4/10/2023	<0.00100	0.00605	0.473	0.000423J	0.000168J	0.0103	0.00415	1.49	<0.375	0.00639	0.0397	<0.000140	0.00466	0.00417J	<0.000260
	10/10/2023	<0.00100	0.00196J	0.342	<0.000330	0.000155J	<0.00110	0.00164	3.17	<0.375	0.00360	0.0311	<0.000140	0.00302	0.00965	<0.000260
	4/15/2024	<0.00100	0.00250	0.466	<0.000330	<0.000100	<0.00120	0.00122	1.30	<0.375	0.00213	0.0339	<0.000110	0.00262	<0.00140	<0.000570
	10/7/2024	<0.00100	0.00115J	0.375	<0.000330	<0.000100	<0.00120	0.000228J	3.35	0.511J	0.000616	0.0366	<0.000110	0.00623	0.00567	<0.000570
	4/7/2025	<0.00100	0.00108J	0.362	<0.000330	<0.000100	<0.00180	0.000476J	1.91	0.253	0.00127	0.0328	<0.000110	0.00365	0.00288J	<0.000570
	10/6/2025	<0.00100	0.00128J	0.330	<0.000330	<0.000100	<0.00180	<0.000170	1.76	0.230	0.000537	0.0343	<0.000110	0.00573	0.00454J	<0.000570
NC2MW-5	3/14/2016	<0.001	<0.002	0.0295	<0.001	<0.0005	<0.005	<0.0005	0.318	<0.5	<0.0005	<0.05	<0.0002	0.00587	<0.005	<0.001
	6/3/2016	<0.001	0.00291	0.0384	<0.001	<0.0005	<0.005	<0.0005	0.354	<0.5	<0.0005	<0.05	<0.0002	0.0237	<0.005	<0.001
	8/31/2016	<0.001	<0.002	0.0414	<0.001	<0.0005	<0.005	<0.0005	0.365	<0.5	<0.0005	<0.05	<0.0002	0.0243	<0.005	<0.001
	11/17/2016	<0.001	0.00218	0.0558	<0.001	<0.0005	<0.005	<0.0005	0.476	1.89	<0.0005	<0.05	<0.0002	0.0204	<0.005	<0.001
	2/15/2017	<0.001	<0.002	0.0335	<0.001	<0.0005	<0.005	<0.0005	0.106	0.59	0.00088	<0.05	<0.0002	0.0168	<0.005	<0.001
	4/24/2017	<0.001	0.00236	0.0366	<0.001	<0.0005	<0.005	<0.0005	0.136	1.25	0.000734	<0.05	<0.0002	0.00818	<0.005	<0.001
	6/15/2017	<0.001	0.00207	0.0416	<0.001	<0.0005	<0.005	<0.0005	0.265	<0.5	0.000601	<0.05	0.0002	0.0125	<0.005	<0.001
	7/12/2017	<0.001	0.0022	0.0484	<0.001	<0.0005	<0.005	<0.0005	0.507	<0.5	0.000584	<0.05	<0.0002	0.0120	<0.005	<0.001
	3/12/2018	<0.001	0.0026	0.0395	<0.001	<0.0005	<0.005	<0.0005	0.236 U	<0.5	0.000562	<0.01	<0.0002	0.0145	0.0238	<0.001
	6/6/2018	<0.001	0.00325	0.0713	<0.001	<0.0005	<0.005	<0.0005	0.187	<0.5	0.00159	0.0129	<0.0002	0.0205	0.0144	<0.001
	10/3/2018	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	<0.5	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	4/8/2019	N.S.	<0.002	0.0341	N.S.	<0.0005	<0.005	N.S.	N.S.	0.634	<0.0005	N.S.	<0.0002	N.S.	<0.005	N.S.
	10/15/2019	<0.001	0.00247	0.0340	<0.001	<0.0001	<0.005	<0.0005	-0.0619 U	<0.5	<0.0005	0.0152	<0.0002	0.0339	<0.005	<0.001
	1/30/2020	0.00110	0.00187J	0.0299	<0.00027	<0.000039	<0.0011	0.0000910J	0.0845U	<0.5	0.000388J	0.00889J	<0.0001	0.0120	0.00283J	<0.00026
	4/27/2020	<0.00058	0.00162J	0.0357	<0.00027	<0.000039	<0.0011	0.0000920J	-0.0625	0.323J	<0.00027	0.0102	<0.0001	0.0147	0.00189J	<0.00026
	7/14/2020	<0.00051	0.00279	0.0536	<0.00027	<0.000049	<0.0011	0.000123J	0.0869	<0.23	0.000871	0.0194	<0.0001	0.0114	0.00551	<0.00026
	10/5/2020	<0.00051	0.00243	0.0588	<0.00027	0.0000990J	<0.0011	0.000236J	0.255U	<0.23	0.000379J	0.0200	<0.0001	0.0212	<0.001	<0.00026
	4/12/2021	<0.00110	0.00170J	0.0245	<0.00027	<0.000051	<0.0011	0.000105J	-0.0122U	0.356J	<0.00210	0.00783J	<0.00015	0.0252	0.00867	<0.00026
	10/4/2021	<0.00110	0.00245	0.0519	<0.00027	0.0000570J	<0.0011	0.000226J	1.03	<0.275	0.000630	0.0120	<0.00015	0.0236	0.00162J	<0.00026
	4/4/2022	<0.000690	0.00165J	0.0377	<0.000270	<0.0000550	<0.00110	0.000275J	0.163U	<0.220	<0.000240	0.00776J	<0.000110	0.0291	0.00944	<0.000260
	10/4/2022	<0.000690	0.00225	0.0548	<0.000270	0.0000700J	<0.00110	0.000306J	0.716	<0.220	0.002080	0.0142	<0.000110	0.0356	<0.000960	<0.000260
	4/10/2023	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]
	10/10/2023	<0.00100	0.00282	0.0675	<0.000330	<0.000100	<0.00110	0.000253J	0.163U	<0.375	0.000555	0.0145	0.000169J	0.0345	<0.00140	0.000523J
	4/15/2024	<0.00100	0.00221	0.0672	<0.000330	<0.000100	<0.00120	0.000280J	0.224U	<0.375	0.000846	0.0167	<0.000110	0.0246	<0.00140	<0.000570
	10/7/2024	<0.00100	0.00438	0.113	<0.000330	<0.000100	<0.00120	0.000345J	1.19	<0.375	0.00315	0.0215	<0.000110	0.0404	<0.00140	0.00307J
	4/7/2025	<0.00100	0.00216	0.0628	<0.000330	<0.000100	<0.00180	0.000240J	0.744	0.242	0.000938	0.0100	<0.000110	0.0278	0.0132	<0.000570
	10/6/2025	<0.00100	0.00216	0.0544	<0.000330	<0.000100	<0.00180	0.000217J	1.27	0.492	<0.000330	0.0147	<0.000110	0.0287	0.00301J	<0.000570

Table 5 - Appendix IV (Assessment Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix IV (Assessment Monitoring) Constituents														
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-13	3/9/2016	<0.001	0.00492	0.302	<0.001	<0.0005	<0.005	0.000817	1.14	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	3/14/2016	<0.001	0.00545	0.288	<0.001	<0.0005	<0.005	0.00105	0.741	<0.5	<0.0005	<0.05	<0.0002	0.0167	<0.005	<0.001
	6/3/2016	<0.001	0.00607	0.324	<0.001	<0.0005	<0.005	0.00122	1.01	<0.5	0.000704	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/7/2016	<0.001	0.00591	0.317	<0.001	<0.0005	<0.005	0.00118	0.690	<0.5	0.000623	<0.05	<0.0002	<0.002	<0.005	<0.001
	8/31/2016	<0.001	0.00623	0.342	<0.001	<0.0005	<0.005	0.00107	1.09	<0.5	<0.0005	<0.05	<0.0002	0.00216	<0.005	<0.001
	11/17/2016	<0.001	0.00515	0.322	<0.001	<0.0005	<0.005	0.000873	1.37	0.803	0.00089	<0.05	<0.0002	0.00258	<0.005	<0.001
	11/18/2020	<0.001	0.0058	0.333	<0.001	<0.0005	<0.005	0.000916	0.745	0.647	<0.0005	<0.05	<0.0002	0.00235	<0.005	<0.001
	2/14/2017	<0.001	0.00304	0.349	<0.001	<0.0005	<0.005	0.000925	0.532	3.64	<0.0005	<0.05	<0.0002	0.00228	<0.005	<0.001
	2/15/2017	<0.001	0.00289	0.321	<0.001	<0.0005	<0.005	0.000883	0.407	<0.5	<0.0005	<0.05	<0.0002	0.00221	<0.005	<0.001
	4/24/2017	<0.001	0.0024	0.336	<0.001	<0.0005	<0.005	0.00135	0.579	0.79	0.000516	<0.05	<0.0002	0.00207	<0.005	<0.001
	4/25/2017	<0.001	0.00269	0.358	<0.001	<0.0005	<0.005	0.00141	0.429	0.80	0.000522	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/15/2017	<0.001	0.00371	0.318	<0.001	<0.0005	<0.005	0.00127	0.800	<0.5	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	6/20/2017	<0.001	0.00268	0.311	<0.001	<0.0005	<0.005	0.00119	0.483	0.505	0.00171	<0.05	<0.0002	<0.002	<0.005	<0.001
	7/12/2017	<0.001	0.00263	0.328	<0.001	<0.0005	<0.005	0.00112	1.56	<0.5	<0.0005	<0.05	<0.0002	0.00210	<0.005	<0.001
	7/13/2017	<0.001	0.00325	0.330	<0.001	<0.0005	<0.005	0.00108	0.502	<0.5	<0.0005	<0.05	<0.0002	0.00206	<0.005	<0.001
	3/12/2018	<0.001	0.00295	0.306	<0.001	<0.0005	<0.005	0.00189	0.492	<0.5	0.00086	0.0297	<0.0002	<0.002	<0.005	<0.001
	6/6/2018	<0.001	0.00262	0.282	<0.001	<0.0005	<0.005	0.00236	1.89	<0.5	0.00577	0.0423	<0.0002	<0.002	0.00553	<0.001
	10/3/2018	N.S.	0.00965	0.388	N.S.	N.S.	N.S.	0.00191	1.62	0.738	0.00216	0.0316	N.S.	0.00243	<0.005	<0.001
	4/8/2019	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]
	10/15/2019	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]
	1/30/2020	<0.00058	0.00824	0.230	<0.00027	<0.000039	<0.0011	0.00198	0.0337U	<0.5	0.000335J	0.0273	<0.0001	0.00187J	<0.001	<0.00026
	4/20/2020	<0.00058	0.00867	0.177	<0.00027	<0.000039	<0.0011	0.00193	0.438	0.399J	0.000311J	0.0374	<0.0001	0.00457	<0.001	<0.00026
	4/27/2020	<0.00058	0.0111	0.167	<0.00027	<0.000039	<0.0011	0.00208	-0.0922	0.383J	0.000297J	0.0348	<0.0001	0.00335	<0.001	<0.00026
	7/14/2020	<0.00051	0.0118	0.182	<0.00027	<0.000049	<0.0011	0.000549	0.539	0.267J	0.000250J	0.0277	<0.0001	0.00130J	<0.001	<0.00026
	10/5/2020	<0.00051	0.0188	0.225	<0.00027	<0.000049	<0.0011	0.000384J	0.872	<0.23	0.000178J	0.0322	<0.0001	<0.0011	<0.001	<0.00026
	4/12/2021	<0.00110	0.00487	0.0815	<0.00027	<0.000051	<0.0011	0.00099	0.429U	0.441J	0.000353J	0.0199	<0.00015	0.00443	0.00194J	<0.00026
	10/4/2021	<0.00110	0.0402	0.257J	<0.00027	<0.000051	<0.0011	0.001020	1.84	<0.275	<0.000210	0.0330	<0.00015	<0.00130	<0.000960	<0.00026
	4/4/2022	<0.000690	0.0134	0.202	<0.000270	<0.0000550	<0.00110	0.000879	0.500U	<0.220	0.000698	0.0329	<0.000110	<0.00120	<0.000960	<0.000260
	10/3/2022	<0.000690	0.0151	0.253	<0.000270	<0.0000550	<0.00110	0.000419J	1.24	<0.220	<0.000240	0.0301	<0.000110	<0.00120	<0.000960	<0.000260
	4/10/2023	<0.00100	0.0112	0.281	<0.000330	<0.000100	<0.00110	0.000591	1.06	<0.375	<0.000240	0.0345	<0.000140	<0.000910	<0.00140	<0.000260
	10/10/2023	<0.00100	0.0411	0.313	<0.000330	<0.000100	<0.00110	0.000726	1.22	1.00	0.000375J	0.0385	<0.000140	0.00175J	<0.00140	<0.000260
	4/15/2024	<0.00100	0.0120	0.275	<0.000330	<0.000100	<0.00120	0.000593	1.35	<0.375	<0.000260	0.0362	<0.000110	<0.00130	<0.00140	<0.000570
	10/7/2024	<0.00100	0.0122	0.329	<0.000330	<0.000100	<0.00120	0.000292J	3.53	<0.375	0.000310J	0.0380	<0.000110	<0.00130	<0.00140	<0.000570
	4/7/2025	<0.00100	0.00488	0.253	<0.000330	<0.000100	<0.00180	0.000194J	0.890	0.302	<0.000330	0.0369	<0.000110	<0.00130	<0.00140	<0.000570
	10/6/2025	<0.00100	0.00242	0.160	<0.000330	<0.000100	<0.00180	0.000284J	1.18	0.228	0.000438J	0.0291	<0.000110	0.00213	0.00197J	<0.000570
NC2MW-2	3/14/2016	0.00188	<0.002	0.0679	<0.001	<0.0005	<0.005	<0.0005	0.967	0.371	<0.0005	0.0512	<0.0002	0.00207	<0.005	<0.001
	6/3/2016	0.00944	<0.002	0.136	<0.001	<0.0005	0.0153	<0.0005	0.535	<0.5	0.000538	<0.05	<0.0002	0.00368	<0.005	<0.001
	8/31/2016	0.00812	<0.002	0.0814	<0.001	<0.0005	<0.005	<0.0005	0.996	<0.5	0.000872	<0.05	<0.0002	0.00757	<0.005	<0.001
	11/17/2016	0.00452	<0.002	0.122	<0.001	<0.0005	<0.005	<0.0005	1.39	<0.5	<0.0005	<0.05	<0.0002	0.00519	<0.005	<0.001
	2/15/2017	0.00331	<0.002	0.144	<0.001	<0.0005	<0.005	<0.0005	0.304	2.51	0.000671	<0.05	<0.0002	0.0093	<0.005	<0.001
	4/24/2017	0.00303	<0.002	0.076	<0.001	<0.0005	<0.005	<0.0005	0.518	1.38	<0.0005	<0.05	<0.0002	0.0158	<0.005	<0.001
	6/15/2017	0.00282	<0.002	0.0828	<0.001	<0.0005	<0.005	<0.0005	0.48	<0.5	0.000721	<0.05	<0.0002	0.0106	<0.005	<0.001
	7/12/2017	0.00266	<0.002	0.0837	<0.001	<0.0005	<0.005	<0.0005	0.721	<0.5	0.000949	<0.05	<0.0002	0.0174	<0.005	<0.001
	3/12/2018	0.00261	<0.002	0.120	<0.001	<0.0005	<0.005	0.000626	0.882	<0.5	0.000604	0.0165	<0.0002	0.0402	<0.005	<0.001
	6/6/20018	0.00345	<0.002	0.179	<0.001	<0.0005	<0.005	0.00132	1.15	<0.5	<0.0005	0.0201	<0.0002	0.137	<0.005	<0.001
	10/3/2018	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	<0.5	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	4/8/2019	N.S.	<0.002	0.127	N.S.	<0.0005	<0.005	N.S.	N.S.	<0.5	0.00206	N.S.	<0.0002	N.S.	<0.005	N.S.
	9/23/2019	0.00388	<0.002	0.107	<0.001	<0.0001	<0.005	<0.0005	N.S.	0.546	0.00183	0.0150	<0.0002	0.0938	<0.005	<0.001
	10/15/2019	0.00900	<0.002	0.142	<0.001	0.000220	<0.005	<0.0005	0.650	<0.5	0.000787	0.0313	<0.0002	0.0361	<0.005	<0.001
	1/31/2020	0.00510	<0.000880	0.133	<0.00027	0.000111	<0.0011	0.000277J	0.736	<0.5	0.00106	0.0406	<0.0001	0.0158	0.00165J	<0.00026
	4/27/2020	0.00243	<0.000880	0.141	<0.00027	0.0000980J	<0.0011	0.000161J	0.987	0.256J	0.00106	0.0411	<0.0001	0.00966	0.00116J	<0.00026
	7/14/2020	0.00268	0.000989J	0.152	<0.00027	0.000306	<0.0011	0.000202J	0.995	<0.23	0.000908	0.0468	<0.0001	0.0163	<0.001	<0.00026
	10/5/2020	0.00381	0.00117J	0.170	<0.00027	0.000186	<0.0011	0.000208J	1.06	<0.23	0.000797	0.0523	<0.0001	0.0177	<0.001	<0.00026
	4/12/2021	0.00524	<0.000750	0.0967	<0.000270	0.0000690J	<0.00110	0.000118J	1.01	0.392J	0.000752	0.0311	<0.00015	0.0178	0.00641	<0.00026
	10/4/2021	0.00323	0.000907J	0.106	<0.000270	0.000287	<0.00110	0.00224	1.92	<0.275	0.000609	0.0247	<0.00015	0.0505	0.00128J	<0.00026
	4/4/2022	0.00298	0.000766J	0.124	<0.000270	0.0000900J	<0.00110	0.000522	1.09	<0.220	0.000861	0.0254	<0.000110	0.0322	0.00627	<0.000260
	10/3/2022	0.00298	0.00104J	0.108	<0.000270	0.000206	<0.00110	0.000713	2.08	0.330J	0.000853	0.0338	<0.000110	0.0354	<0.000960	<0.000260
	4/10/2023	0.00350	0.00100J	0.139	<0.000330	0.000283	<0.00110	0.00301	1.64	0.442J	0.000546	0.0261	<0.000140	0.0560	0.00962	<0.000260
	10/10/2023	0.00369	0.00155J	0.0769	<0.000330	0.000310	<0.00110	0.000607	0.681	<0.375	0.000550	0.0286	0.000222	0.0394	0.00228J	<0.000260
	4/15/2024	0.00261	0.000969J	0.0880	<0.000330	0.000137J	<0.00120	0.000395J	1.28	<0.375	0.000905	0.0253	<0.000110	0.0245	0.00994	<0.000570
	10/7/2024	0.00349	0.00111J	0.0769	<0.000330	0.000148J	<0.00120	0.000467J	1.64	0.603J	0.000844	0.043	<0.000110	0.0266	0.00168J	0.00165
	4/7/2025	0.00296	0.000868J	0.0700	<0.000330	0.000125J	<0.00180	0.000369J	1.48	0.320	0.00279	0.0241	<0.000110	0.0259	0.00497J	<0.000570
	10/7/2025	0.00682	0.000993J	0.0694	<0.000330	0.000111J	<0.00180	0.000181J	2.00	0.267	0.000455J	0.0354	<0.000110	0.0130	<0.00140	<0.000570

Table 5 - Appendix IV (Assessment Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix IV (Assessment Monitoring) Constituents														
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
NC2MW-3	3/14/2016	<0.001	0.00762	0.253	<0.001	<0.0005	<0.005	<0.0005	0.948	0.168	<0.0005	<0.05	<0.0002	0.00293	<0.005	<0.001
	6/3/2016	<0.001	0.0191	0.362	<0.001	<0.0005	<0.005	<0.0005	0.924	<0.5	<0.0005	<0.05	<0.0002	0.00377	<0.005	<0.001
	8/31/2016	<0.001	0.0103	0.211	<0.001	<0.0005	<0.005	<0.0005	0.446	<0.5	0.000692	<0.05	<0.0002	0.00301	<0.005	<0.001
	11/17/2016	<0.001	0.0113	0.234	<0.001	<0.0005	<0.005	<0.0005	0.616	1.28	<0.0005	<0.05	<0.0002	<0.002	<0.005	<0.001
	2/15/2017	0.00111	0.0066	0.281	<0.001	<0.0005	<0.005	0.00051	0.381	5.11	<0.0005	<0.05	<0.0002	0.0176	<0.005	<0.001
	4/24/2017	<0.001	0.00892	0.174	<0.001	<0.0005	<0.005	0.00216	0.521	2.87	0.000691	<0.05	<0.0002	0.00677	<0.005	<0.001
	6/15/2017	<0.001	0.0101	0.225	<0.001	<0.0005	<0.005	0.00103	0.928	<0.5	0.00103	<0.05	<0.0002	0.00298	<0.005	<0.001
	7/12/2017	<0.001	0.00286	0.267	<0.001	<0.0005	<0.005	0.000806	0.479	<0.5	0.000913	<0.05	<0.0002	0.00206	<0.005	<0.001
	3/12/2018	<0.001	0.0027	0.125	<0.001	<0.0005	<0.005	0.000997	0.600	0.723	0.00178	0.0128	<0.0002	0.00454	<0.005	<0.001
	6/6/2019	<0.001	0.00835	0.163	<0.001	<0.0005	<0.005	0.00768	1.22	<0.5	<0.0005	0.0182	<0.0002	0.0628	<0.005	<0.001
	10/3/2018	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	0.532	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	4/8/2019	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]
	9/23/2019	<0.001	0.00325	0.289	<0.001	<0.0001	<0.005	0.00224	N.S.	0.527	<0.0005	0.0452	<0.0002	0.00550	<0.005	<0.001
	10/15/2019	<0.001	0.00344	0.312	<0.001	<0.0001	<0.005	0.00232	0.878	<0.5	<0.0005	0.0428	<0.0002	0.00526	<0.005	<0.001
	1/31/2020	<0.00058	0.00338	0.297	<0.00027	<0.000039	<0.0011	0.00197	0.707	<0.5	<0.00027	0.0333	<0.0001	0.00392	<0.001	<0.00026
	4/27/2020	<0.00058	0.00483	0.340	<0.00027	<0.000039	<0.0011	0.00991	0.552	0.300J	0.000617	0.0333	<0.0001	0.00565	<0.001	<0.00026
	7/14/2020	<0.00051	0.00685	0.171	<0.00027	<0.000049	<0.0011	0.00274	0.885	<0.23	0.000595	0.0317	<0.0001	0.0112	<0.001	<0.00026
	10/5/2020	<0.00051	0.00735	0.191	<0.00027	<0.000049	<0.0011	0.000647	1.32	0.535	0.000163J	0.0399	<0.0001	0.00487	<0.001	<0.00026
	4/12/2021	<0.00110	0.00113J	0.113	<0.00027	0.0000680J	<0.0011	0.000188J	0.188U	1.37	<0.000210	0.0146	<0.0015	0.00306	<0.00096	<0.00026
	10/4/2021	<0.00110	0.00354	0.0769	<0.00027	0.0000820J	<0.0011	0.0115	0.898	0.492J	0.000485J	0.0241	<0.00015	0.00356	<0.00096	<0.00026
	4/4/2022	<0.000690	0.00171J	0.0977	<0.000270	0.000104	<0.00110	0.00101	0.955	1.12	0.000288J	0.0201	<0.000110	0.00371	0.0174	<0.000260
	10/3/2022	<0.000690	0.00344	0.0718	<0.000270	<0.0000550	<0.00110	0.00328	1.00	1.17	<0.000240	0.0234	<0.000110	0.0025	<0.000960	<0.000260
	4/11/2023	<0.00100	0.00193J	0.0688	<0.000330	<0.000100	<0.00110	0.00122	3.88	1.07	0.000284J	0.0271	<0.000140	0.00323	<0.00140	<0.000260
	10/10/2023	<0.00100	0.00323	0.0596	<0.000330	0.000129J	<0.00110	0.00198	0.455U	1.26	0.000469J	0.0278	0.000184J	0.00417	0.00171J	<0.000260
	4/15/2024	<0.00100	0.00157J	0.0666	<0.000330	<0.000100	<0.00120	0.000531	1.15	0.844J	0.000338J	0.0337	<0.000110	0.00414	0.00209J	0.000638J
	10/7/2024	<0.00100	0.0027	0.0735	<0.000330	<0.000100	<0.00120	0.00155	0.842	1.44	0.000524	0.0258	<0.000110	0.00142J	<0.00140	0.00139
	4/7/2025	<0.00100	0.00141J	0.0884	<0.000330	<0.000100	<0.00180	0.000529	0.848	0.937	<0.000330	0.0305	<0.000110	0.00428	0.00185J	<0.000570
	10/6/2025	<0.00100	0.00143J	0.0584	<0.000330	0.000108J	<0.00180	0.000396J	1.27	1.87	<0.000330	0.0165	<0.000110	0.00349	0.00890	<0.000570
NC2MW-6	3/14/2016	<0.001	<0.002	0.0818	<0.001	<0.0005	0.00629	<0.0005	0.392	<0.5	<0.0005	<0.05	<0.0002	0.0210	0.00645	<0.001
	6/3/2016	<0.001	<0.002	0.0823	<0.001	<0.0005	0.00535	<0.0005	0.603	<0.5	<0.0005	<0.05	<0.0002	0.0593	<0.005	<0.001
	8/31/2016	<0.001	<0.002	0.122	<0.001	<0.0005	<0.005	<0.0005	1.03	<0.5	<0.0005	<0.05	<0.0002	0.0677	<0.005	<0.001
	11/17/2016	<0.001	<0.002	0.109	<0.001	<0.0005	<0.005	<0.0005	1.48	6.53	<0.0005	<0.05	<0.0002	0.0455	<0.005	<0.001
	2/15/2017	<0.001	<0.002	0.0948	<0.001	<0.0005	<0.005	<0.0005	0.429	<0.5	0.000901	<0.05	<0.0002	0.0265	<0.005	<0.001
	4/24/2017	<0.001	<0.002	0.0791	<0.001	<0.0005	<0.005	<0.0005	0.425	1.71	<0.0005	<0.05	<0.0002	0.041	<0.005	<0.001
	6/15/2017	<0.001	<0.002	0.105	<0.001	<0.0005	0.00501	<0.0005	0.641	<0.5	0.00329	<0.05	<0.0002	0.0354	<0.005	<0.001
	7/12/2017	<0.001	<0.002	0.0916	<0.001	<0.0005	<0.005	<0.0005	0.949	<0.5	<0.0005	<0.05	<0.0002	0.0419	<0.005	<0.001
	3/12/2018	<0.001	<0.002	0.107	<0.001	<0.0005	<0.005	0.000505	0.530	<0.5	0.00258	0.0371	<0.0002	0.00672	<0.005	<0.001
	6/6/2018	<0.001	<0.002	0.120	<0.001	<0.0005	<0.005	<0.0005	1.020	<0.5	0.00193	0.0321	<0.0002	0.0108	0.00679	<0.001
	10/3/2018	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	<0.5	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	4/8/2019	N.S.	<0.002	0.121	<0.001	<0.0005	<0.005	N.S.	N.S.	<0.5	0.000527	N.S.	<0.0002	N.S.	<0.005	N.S.
	10/15/2019	<0.001	<0.002	0.145	<0.001	<0.0001	<0.005	<0.0005	0.494	<0.5	<0.0005	0.0408	<0.0002	0.0121	<0.005	<0.001
	1/31/2020	<0.00058	<0.000880	0.118	<0.00027	<0.000039	<0.0011	<0.000091	0.616	<0.5	0.000635	0.0321	<0.0001	0.0123	<0.001	<0.00026
	4/27/2020	<0.00058	<0.000880	0.114	<0.00027	0.0000540J	<0.0011	<0.000091	0.155	0.335J	<0.00027	0.0258	<0.0001	0.0114	<0.001	<0.00026
	7/14/2020	<0.00051	<0.000880	0.118	<0.00027	0.0000680J	<0.0011	0.000122J	0.870	0.232J	0.000482J	0.0309	<0.0001	0.0133	<0.001	<0.00026
	10/5/2020	<0.00051	0.000889J	0.132	<0.00027	0.0000810J	<0.0011	0.000438J	1.310	0.329J	0.000929	0.0362	<0.0001	0.0144	<0.001	<0.00026
	4/12/2021	<0.00110	<0.000750	0.0825	<0.00027	<0.000051	0.001796J	<0.000091	0.436	<0.275	0.000264J	0.0143	<0.00015	0.0207	0.00154J	<0.00026
	10/4/2021	<0.00110	0.000925J	0.133	<0.00027	0.000080J	<0.00110	0.000504	4.990	<0.275	0.000719	0.0345	<0.00015	0.0124	<0.00096	<0.00026
	4/4/2022	0.00123J	0.00118J	0.143	<0.000270	<0.0000550	0.00188J	0.000289J	0.778	<0.220	0.00221	0.0420	<0.000110	0.00630	0.00329J	<0.000260
	10/4/2022	<0.000690	0.00123J	0.146	<0.000270	<0.0000550	<0.00110	0.000724	2.780	<0.220	0.000568	0.0387	<0.000110	0.01370	<0.000960	<0.000260
	4/10/2023	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]	N/S [3]
	10/10/2023	<0.00100	0.00185J	0.157	<0.000330	<0.000100	0.00213J	0.000870	1.30	<0.375	0.00423	0.0455	0.000141J	0.00990	<0.00140	<0.000260
	4/15/2024	<0.00100	0.000552J	0.144	<0.000330	<0.000100	0.00199J	<0.000170	1.08U	<0.375	0.00155	0.0501	<0.000110	0.00767	0.00158J	<0.000570
	10/7/2024	<0.00100	0.000955J	0.175	<0.000330	<0.000100	<0.00120	0.000186J	1.07	1.44	0.00111	0.0524	<0.000110	0.00949	<0.00140	0.000697J
	4/7/2025	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]	N/S [4]
	10/6/2025	0.00174J	0.00108J	0.0966	<0.000330	<0.000100	<0.00180	0.000232J	1.67	0.178	0.000658	0.0210	<0.000110	0.0335	0.00205J	<0.000570

Table 5 - Appendix IV (Assessment Monitoring) Constituents in Groundwater
Omaha Public Power District - NC2 Ash Disposal Area

		Appendix IV (Assessment Monitoring) Constituents														
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
NC2MW-7	3/14/2016	<0.001	0.0994	0.687	<0.001	<0.0005	<0.005	0.000794	1.43	0.312	<0.0005	0.0602	<0.0002	<0.002	<0.005	<0.001
	6/3/2016	<0.001	0.0529	0.591	<0.001	<0.0005	<0.005	<0.0005	1.14	<0.5	0.00166	0.0542	<0.0002	<0.002	<0.005	<0.001
	8/31/2016	<0.001	0.0418	0.526	<0.001	<0.0005	<0.005	0.000681	0.847	<0.5	<0.0005	0.0581	<0.0002	<0.002	<0.005	<0.001
	11/17/2016	<0.001	0.0473	0.544	<0.001	<0.0005	<0.005	<0.0005	0.851	0.544	<0.0005	0.0613	<0.0002	<0.002	<0.005	<0.001
	2/15/2017	<0.001	0.0608	0.558	<0.001	<0.0005	<0.005	0.000639	0.745	<0.5	<0.0005	0.0638	<0.0002	<0.002	<0.005	<0.001
	4/24/2017	<0.001	0.0592	0.614	<0.001	<0.0005	<0.005	0.000629	1.04	1.35	<0.0005	0.0624	<0.0002	<0.002	<0.005	<0.001
	6/15/2017	<0.001	0.0469	0.538	<0.001	<0.0005	<0.005	<0.0005	0.815	<0.5	<0.0005	0.0579	<0.0002	<0.002	<0.005	<0.001
	7/12/2017	<0.001	0.041	0.501	<0.001	<0.0005	<0.005	<0.0005	1.15	<0.5	<0.0005	0.0602	<0.0002	<0.002	<0.005	<0.001
	3/12/2018	<0.001	0.0387	0.473	<0.001	<0.0005	<0.005	<0.0005	1.06	<0.5	<0.0005	0.0546	<0.0002	<0.002	<0.005	<0.001
	6/6/2019	<0.001	0.0418	0.624	<0.001	<0.0005	<0.005	0.000876	0.986	<0.5	0.00069	0.0535	<0.0002	<0.002	<0.005	<0.001
	10/3/2018	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	0.519	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	4/8/2019	N.S.	0.0391	0.565	N.S.	<0.0005	<0.005	N.S.	N.S.	<0.5	<0.0005	N.S.	<0.0002	N.S.	<0.005	N.S.
	9/23/2019	<0.001	0.0416	0.619	<0.001	<0.0001	<0.005	<0.0005	N.S.	<0.5	<0.0005	0.0622	<0.0002	<0.002	<0.005	<0.001
	10/15/2019	<0.001	0.0384	0.597	<0.001	<0.0001	<0.005	<0.0005	0.532	<0.5	<0.0005	0.0633	<0.0002	<0.002	<0.005	<0.001
	2/3/2020	<0.00058	0.0348	0.512	<0.00027	<0.000039	<0.0011	0.000353J	0.615	0.357J	<0.00027	0.0545	<0.0001	0.00163J	<0.001	<0.00026
	4/27/2020	<0.00058	0.0388	0.534	<0.00027	<0.000039	<0.0011	0.000396J	0.722	0.429J	<0.00027	0.0568	<0.0001	0.00185J	<0.001	<0.00026
	7/14/2020	<0.00051	0.0381	0.515	<0.00027	<0.000049	<0.0011	0.000233J	0.804	<0.23	<0.00011	0.0580	<0.0001	0.00170J	<0.001	<0.00026
	10/5/2020	<0.00051	0.0435	0.585	<0.00027	<0.000049	<0.0011	0.000233J	0.71	0.322J	<0.00011	0.0641	<0.0001	0.00122J	<0.001	<0.00026
	4/12/2021	<0.00110	0.0439	0.53	<0.00027	<0.000051	<0.0011	0.000384J	1.05	0.415J	<0.00021	0.0640	<0.00015	0.00195J	<0.00096	<0.00026
	10/4/2021	<0.00110	0.0427	0.592	<0.00027	<0.000051	<0.0011	0.000253J	1.77	<0.275	<0.00021	0.0566	<0.00015	0.00183J	<0.00096	<0.00026
	4/4/2022	<0.000690	0.0487	0.563	<0.000270	<0.0000550	<0.00110	0.000422J	0.747	<0.220	<0.000240	0.0654	<0.000110	0.00159J	<0.000960	<0.000260
	10/3/2022	<0.000690	0.0478	0.607	<0.000270	<0.0000550	<0.00110	0.000236J	1.240	<0.220	<0.000240	0.0572	<0.000110	0.00186J	<0.000960	<0.000260
	4/10/2023	<0.00100	0.0396	0.523	<0.000330	<0.000100	<0.00110	0.000321J	1.91	0.402J	<0.000240	0.0588	<0.000140	0.00177J	<0.00140	<0.000260
	10/10/2023	<0.00100	0.0480	0.618	<0.000330	<0.000100	<0.00110	0.000214J	0.615U	<0.375	<0.000240	0.0617	<0.000140	0.00186J	<0.00140	<0.000260
	4/15/2024	<0.00100	0.0456	0.608	<0.000330	<0.000100	<0.00120	0.000193J	2.05	<0.375	<0.000260	0.0633	<0.000110	0.00173J	<0.00140	<0.000570
	10/7/2024	<0.00100	0.0512	0.580	<0.000330	<0.000100	<0.00120	0.000172J	1.26	<0.375	<0.000260	0.0645	<0.000110	0.00202	<0.00140	0.000802J
	4/7/2025	<0.00100	0.0395	0.497	<0.000330	<0.000100	<0.00180	0.000240J	1.41	0.339	<0.000330	0.0601	<0.000110	0.00193J	<0.00140	<0.000570
	10/7/2025	<0.00100	0.0482	0.555	<0.000330	<0.000100	<0.00180	0.000256J	1.56	0.330	0.000456J	0.0593	<0.000110	0.00220	<0.00140	<0.000570
NC2MW-8[1]	10/3/2018	<0.001	0.0223	0.617	<0.001	<0.0005	<0.005	0.00250	1.70	0.566	0.00125	0.0347	<0.0002	0.00307	<0.005	<0.001
	1/15/2019	<0.001	0.0177	0.503	<0.001	<0.0005	<0.005	0.00224	0.716	<0.5	<0.0005	0.0292	<0.0002	0.00288	<0.005	<0.001
	3/5/2019	<0.001	0.00716	0.566	<0.001	<0.0005	<0.005	0.00304	N.S.	<0.5	<0.0005	0.0360	<0.0002	0.00304	<0.005	<0.001
	4/8/2019	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]
	9/23/2019	<0.001	0.0175	0.609	<0.001	<0.0001	<0.005	0.00172	N.S.	0.582	<0.0005	0.0369	<0.0002	0.00327	<0.005	<0.001
	10/16/2019	<0.001	0.0206	0.596	<0.001	<0.0001	<0.005	0.00175	0.735	<0.5	<0.0005	0.0333	<0.0002	0.00347	<0.005	<0.001
	1/31/2020	<0.00058	0.00168J	0.191	<0.00027	0.000160	<0.0011	0.00133	0.445	<0.5	<0.00027	0.0249	<0.0001	<0.0011	<0.001	<0.00026
	4/27/2020	<0.00058	0.0190	0.548	<0.00027	<0.000039	<0.0011	0.00201	0.587	0.504	<0.00027	0.0297	<0.0001	0.00291	<0.001	<0.00026
	7/14/2020	<0.00051	0.0195	0.523	<0.00027	<0.000049	<0.0011	0.00178	0.598	<0.23	0.000201J	0.0306	<0.0001	0.00285	<0.001	<0.00026
	10/5/2020	<0.00051	0.0322	0.579	<0.00027	<0.000049	<0.0011	0.00176	1.24	0.331J	0.000486J	0.0325	<0.0001	0.00220	<0.001	<0.00026
	4/12/2021	<0.00110	0.0108	0.489	<0.00027	0.0000520J	<0.0011	0.0022	0.615	0.393J	0.000490J	0.0340	<0.00015	0.00267	0.00142J	<0.00026
	10/4/2021	<0.00110	0.00958	0.616	<0.00027	<0.000051	<0.0011	0.00229	2.32	<0.275	0.000393J	0.0340	<0.00015	0.00281	<0.00096	<0.00026
	4/4/2022	<0.000690	0.00887	0.552	<0.000270	<0.0000550	<0.00110	0.00264	0.912	<0.220	<0.000240	0.0363	<0.000110	0.00202	<0.000960	<0.000260
	10/3/2022	<0.000690	0.0181	0.618	<0.000270	<0.0000550	<0.00110	0.00230	1.57	<0.220	0.000321J	0.0364	<0.000110	0.00184J	<0.000960	<0.000260
	4/10/2023	<0.00100	0.00971	0.462	<0.000330	<0.000100	<0.00110	0.00219	1.31	0.394J	0.000252J	0.0363	<0.000140	0.00200	<0.00140	<0.000260
	10/10/2023	<0.00100	0.0135	0.534	<0.000330	<0.000100	<0.00110	0.00165	1.92	<0.375	0.000284J	0.0360	<0.000140	<0.000910	0.00198J	<0.000260
	4/15/2024	<0.00100	0.00743	0.480	<0.000330	<0.000100	<0.00120	0.000982	1.10	<0.375	<0.000260	0.0340	<0.000110	<0.00130	<0.00140	<0.000570
	10/7/2024	<0.00100	0.00343	0.564	<0.000330	<0.000100	<0.00120	0.00137	1.29	<0.375	0.000268J	0.0382	<0.000110	0.00178J	<0.00140	0.000859J
	4/7/2025	<0.00100	0.00435	0.412	<0.000330	<0.000100	<0.00180	0.00116	1.07	0.332	<0.000330	0.0303	<0.000110	<0.00130	0.00166J	<0.000570
	10/7/2025	<0.00100	0.00513	0.418	<0.000330	<0.000100	<0.00180	0.00132	0.800	0.360	<0.000330	0.0346	<0.000110	<0.00130	0.00182J	<0.000570

N.S. = Not Sampled

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.

"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.

[1] NC2MW-8 was installed July 9, 2018 and was added to the Groundwater Monitoring System Certification in June 2019. The 9/23/2019 sampling event was part of an Alternative Source Demonstration for the Title 132 Groundwater Assessment Report.

[2] MW-13, NC2MW-3, and NC2MW-8 were surrounded by ponding water during April 2019 sampling event and were not sampled. MW-13 was surrounded by ponding water during October 2019 sample and was not sampled.

[3] NC2MW-5 and NC2MW-6 were dry or had insufficient water volume to collect a water sample during the April 2023 sampling event.

[4] NC2MW-6 was dry during the April 2025 sampling event and a groundwater sample was not collected.

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

Table 6 - Background Threshold Values for Assessment Monitoring
Omaha Public Power District - NC2 Ash Disposal Area

Constituents	Units	Background Threshold Values (BTVs)
Appendix III (Detection Monitoring)		
Boron	mg/l	4.63
Calcium	mg/l	223
Chloride	mg/l	36.6
Fluoride [1]	mg/l	1.89
pH (LPL) [2]	SU	6.33
pH (UPL) [3]	SU	7.87
Sulfate	mg/l	611
TDS	mg/l	1,390
Appendix IV (Assessment Monitoring)		
Antimony[4]	mg/l	0.00200
Arsenic	mg/l	0.0411
Barium	mg/l	0.473
Beryllium	mg/l	0.001
Cadmium	mg/l	0.000500
Chromium	mg/l	0.00500
Cobalt	mg/l	0.00236
Fluoride [1]	mg/l	1.89
Lead	mg/l	0.00360
Lithium	mg/l	0.0427
Mercury	mg/l	0.000200
Molybdenum	mg/l	0.0356
Radium 226 + 228	pCi/l	3.17
Selenium	mg/l	0.0146
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).

[4] Antimony UPL was previously 0.001 mg/l based on the laboratory's reporting limit (RL). The lab adjusted the RL for antimony to 0.002 mg/l during their annual quality control review. The UPL has been updated to 0.002 mg/l to reflect the change in the laboratory's RL.

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Table 7 - Established Groundwater Protection Standards
Omaha Public Power District - NC2 Ash Disposal Area

Constituents	Units	Established Groundwater Protection Standard (GWPS)[1]
Appendix IV (Assessment Monitoring)		
Antimony	mg/l	0.006
Arsenic	mg/l	0.0411 [2]
Barium	mg/l	2.0
Beryllium	mg/l	0.004
Cadmium	mg/l	0.005
Chromium	mg/l	0.1
Cobalt	mg/l	0.006
Flouride	mg/l	4
Lead	mg/l	0.015
Lithium	mg/l	0.0427 [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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NEBRASKA CITY STATION

Water Levels Prior to Purging (Feet Below TOC)

NC1MW2	Date of Sampling	4/7/2025	Time of Sampling	12:10	Static Water Level	13.16
NC1MW3	Date of Sampling	4/7/2025	Time of Sampling	12:27	Static Water Level	13.33
NC1MW4	Date of Sampling	4/7/2025	Time of Sampling	12:15	Static Water Level	13.69
NC1MW5	Date of Sampling	4/7/2025	Time of Sampling	12:58	Static Water Level	15.24
NC1MW6	Date of Sampling	4/7/2025	Time of Sampling	12:50	Static Water Level	11.36
NC1MW7	Date of Sampling	4/7/2025	Time of Sampling	11:34	Static Water Level	12.65
NC1MW8	Date of Sampling	4/7/2025	Time of Sampling	11:36	Static Water Level	12.95
NC1MW9	Date of Sampling	4/7/2025	Time of Sampling	12:33	Static Water Level	13.70
NC2MW2	Date of Sampling	4/7/2025	Time of Sampling	11:22	Static Water Level	15.27
NC2MW3	Date of Sampling	4/7/2025	Time of Sampling	11:14	Static Water Level	12.56
NC2MW4	Date of Sampling	4/7/2025	Time of Sampling	10:17	Static Water Level	11.74
NC2MW5	Date of Sampling	4/7/2025	Time of Sampling	10:39	Static Water Level	14.99
NC2MW6	Date of Sampling	4/7/2025	Time of Sampling	10:46	Static Water Level	Dry
NC2MW7	Date of Sampling	4/7/2025	Time of Sampling	11:28	Static Water Level	11.34
NC2MW8	Date of Sampling	4/7/2025	Time of Sampling	11:19	Static Water Level	10.92
MW11	Date of Sampling	4/7/2025	Time of Sampling	11:56	Static Water Level	11.61
MW12	Date of Sampling	4/7/2025	Time of Sampling	12:20	Static Water Level	13.47
MW13	Date of Sampling	4/7/2025	Time of Sampling	10:15	Static Water Level	9.94
MW14	Date of Sampling	4/7/2025	Time of Sampling	10:20	Static Water Level	13.29

NOTES:

TOC = Top of Casing

NM = Not Measured, Inaccessible

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW2 - 7**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 49°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	16:19	Pump Start Time	16:22
Static Water Level (+/- 0.01 feet)*	15.27	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	17.61	Time to Purge Well (hours:minutes)	0:14
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	1.44		
Actual Volume of Water Purged (mL)	1,400		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
16:27	500	12.60	2.46	18.1	6.85	1.21	15.62
16:30	800	12.80	2.48	16.4	6.73	1.22	15.71
16:33	1,100	12.85	2.41	13.7	6.71	1.22	15.70
16:36	1,400	12.82	2.44	12.9	6.70	1.23	15.70

Well Evacuated to Dryness? No Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
16:36	1,400	12.82	2.44	12.9	6.70	1.23	15.70
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: None			

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW3 - 5**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 47°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	14:14	Pump Start Time	14:17
Static Water Level (+/- 0.01 feet)*	12.58	Purge Rate (mL/minute)	200
Bottom of Well Casing (+/- 0.01 feet)*	18.35	Time to Purge Well (hours:minutes)	0:26
Pump Intake Elevation (+/- 0.01 feet)*	901.85	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	3.56		
Actual Volume of Water Purged (mL)	5,200		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
14:22	1,000	11.86	1.36	40.8	7.14	0.980	13.08
14:25	1,600	11.92	1.38	43.7	7.06	0.963	13.08
14:28	2,200	11.94	1.31	51.2	7.04	0.957	13.10
14:31	2,800	11.99	1.05	55.9	7.08	0.957	13.11
14:34	3,400	12.00	0.80	50.2	7.07	0.956	13.11
14:37	4,000	12.02	0.57	42.5	7.07	0.957	13.11
14:40	4,600	12.08	0.56	32.4	7.07	0.956	13.11
14:43	5,200	12.11	0.51	23.7	7.07	0.956	13.11

Well Evacuated to Dryness? No Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
14:43	5,200	12.11	0.51	23.7	7.07	0.956	13.11
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		200

Sample Physical Characteristics / **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: None			

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW4 - 2**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Sunny, Windy, 43°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	11:08	Pump Start Time	11:10
Static Water Level (+/- 0.01 feet)*	11.74	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	14.50	Time to Purge Well (hours:minutes)	0:11
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	1.70		
Actual Volume of Water Purged (mL)	1,100		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
11:15	500	11.72	3.82	19.7	6.70	0.798	12.27
11:18	800	11.58	3.84	11.9	6.63	0.795	12.57
11:21	1,100	11.47	3.78	17.0	6.62	0.798	12.96

Well Evacuated to Dryness? No Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
11:21	1,100	11.47	3.78	17.0	6.62	0.798	12.96
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: None			

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW5 - 3**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 46°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	12:57	Pump Start Time	12:59
Static Water Level (+/- 0.01 feet)*	15.00	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	15.80	Time to Purge Well (hours:minutes)	0:11
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	0.49		
Actual Volume of Water Purged (mL)	1,100		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:04	500	10.08	6.75	22.9	7.02	1.31	Top of Pump
13:07	800	10.06	6.86	12.1	7.01	1.33	Top of Pump
13:10	1,100	10.15	6.80	11.1	6.99	1.34	Top of Pump

Well Evacuated to Dryness? Yes Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:10	1,100	10.15	6.80	11	6.99	1.34	Top of Pump
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	None	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: None			

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW6 - 4**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 49°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	13:42	Pump Start Time	13:43
Static Water Level (+/- 0.01 feet)*	Dry	Purge Rate (mL/minute)	0
Bottom of Well Casing (+/- 0.01 feet)*	14.50	Time to Purge Well (hours:minutes)	0:00
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	Not Measured		
Actual Volume of Water Purged (mL)	0		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:43	0	Dry	Dry	Dry	Dry	Dry	Dry

Well Evacuated to Dryness? No Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:43	0	Dry	Dry	Dry	Dry	Dry	Dry
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		0

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	None	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: Dry			

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW7 - 8**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 49°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	17:03	Pump Start Time	17:07
Static Water Level (+/- 0.01 feet)*	11.30	Purge Rate (mL/minute)	200
Bottom of Well Casing (+/- 0.01 feet)*	24.10	Time to Purge Well (hours:minutes)	0:35
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	7.90		
Actual Volume of Water Purged (mL)	7,000		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
17:12	1,000	13.04	0.12	186	7.11	0.858	11.31
17:15	1,600	13.17	0.06	138	6.92	0.819	11.31
17:18	2,200	13.25	0.00	115	7.13	0.818	11.31
17:21	2,800	13.29	0.00	99.6	7.12	0.817	11.31
17:24	3,400	13.27	0.00	74.3	7.13	0.820	11.31
17:27	4,000	13.27	0.00	61.7	7.14	0.821	11.31
17:30	4,600	13.36	0.00	54.3	7.14	0.823	11.31
17:33	5,200	13.34	0.00	47.9	7.18	0.825	11.31
17:36	5,800	13.34	0.00	40.0	7.17	0.827	11.31
17:39	6,400	13.37	0.00	31.8	7.17	0.830	11.31
17:42	7,000	13.44	0.00	23.6	7.17	0.832	11.31

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
17:42	7,000	13.44	0.00	23.6	7.17	0.832	11.31
Duplicate?	Yes, DUP2	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		200

Sample Physical Characteristics **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: None			

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW8 - 6**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 49°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	15:23	Pump Start Time	15:25
Static Water Level (+/- 0.01 feet)*	10.79	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	15.60	Time to Purge Well (hours:minutes)	0:26
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	2.97		
Actual Volume of Water Purged (mL)	2,600		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
15:30	500	11.68	1.79	158	7.26	0.730	10.80
15:33	800	11.60	1.82	142	7.22	0.700	10.80
15:36	1,100	11.13	1.31	99.9	7.20	0.697	10.80
15:39	1,400	11.07	1.20	65.4	7.13	0.681	10.80
15:42	1,700	11.03	1.18	45.7	7.11	0.681	10.80
15:45	2,000	10.94	1.19	30.5	7.00	0.681	10.80
15:48	2,300	10.84	1.11	27.3	6.98	0.682	10.80
15:51	2,600	10.78	1.09	24.2	6.96	0.683	10.80

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
15:51	2,600	10.78	1.09	24.2	6.96	0.683	10.80
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics **Equipment Information**

Sample Clarity	Mostly Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Light Brown	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25

Notes / Unusual Occurrences: Suspended Sand in Sample

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW13 - 1**	Date: 4/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, Windy, 38°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	10:15	Pump Start Time	10:32
Static Water Level (+/- 0.01 feet)*	9.94	Purge Rate (mL/minute)	200
Bottom of Well Casing (+/- 0.01 feet)*	15.19	Time to Purge Well (hours:minutes)	0:14
Pump Intake Elevation (+/- 0.01 feet)*	908.30	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	3.24		
Actual Volume of Water Purged (mL)	2,800		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
10:37	1,000	11.08	0.07	24.1	7.17	0.829	9.97
10:40	1,600	11.05	0.00	16.2	7.10	0.820	9.97
10:43	2,200	10.99	0.00	10.7	7.07	0.820	9.97
10:46	2,800	10.94	0.00	9.9	7.04	0.819	9.97

Well Evacuated to Dryness? Yes Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
10:46	2,800	10.94	0.00	9.9	7.04	0.819	9.97
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		200

Sample Physical Characteristics **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25
Notes / Unusual Occurrences: None			

Equipment Calibration Sheet

Date: 4/7/2025
Time: 8:25

Person Calibrating Instrument: Kyle K. Uhing

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

Parameter:	Reading	Units
pH 4	4.00	NA
Conductivity	4.45	µS/cm
Turbidity	0.0	NTU
DO	9.67	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

.

NEBRASKA CITY STATION

Water Levels Prior to Purging (Feet Below TOC)

NC1MW2	Date of Sampling	10/6/2025	Time of Sampling	12:49	Static Water Level	10.47
NC1MW3	Date of Sampling	10/6/2025	Time of Sampling	13:07	Static Water Level	9.98
NC1MW4	Date of Sampling	10/6/2025	Time of Sampling	12:54	Static Water Level	10.91
NC1MW5	Date of Sampling	10/6/2025	Time of Sampling		Static Water Level	No Access
NC1MW6	Date of Sampling	10/6/2025	Time of Sampling		Static Water Level	No Access
NC1MW7	Date of Sampling	10/6/2025	Time of Sampling	11:47	Static Water Level	9.58
NC1MW8	Date of Sampling	10/6/2025	Time of Sampling	11:46	Static Water Level	9.89
NC1MW9	Date of Sampling	10/6/2025	Time of Sampling	13:13	Static Water Level	10.76
NC2MW2	Date of Sampling	10/6/2025	Time of Sampling	11:36	Static Water Level	11.04
NC2MW3	Date of Sampling	10/6/2025	Time of Sampling	11:27	Static Water Level	7.37
NC2MW4	Date of Sampling	10/6/2025	Time of Sampling	10:50	Static Water Level	6.08
NC2MW5	Date of Sampling	10/6/2025	Time of Sampling	11:03	Static Water Level	5.22
NC2MW6	Date of Sampling	10/6/2025	Time of Sampling	11:08	Static Water Level	7.36
NC2MW7	Date of Sampling	10/6/2025	Time of Sampling	11:41	Static Water Level	8.06
NC2MW8	Date of Sampling	10/6/2025	Time of Sampling	11:31	Static Water Level	6.12
MW11	Date of Sampling	10/6/2025	Time of Sampling	12:44	Static Water Level	5.74
MW12	Date of Sampling	10/6/2025	Time of Sampling	13:01	Static Water Level	10.15
MW13	Date of Sampling	10/6/2025	Time of Sampling	10:40	Static Water Level	4.08
MW14	Date of Sampling	10/6/2025	Time of Sampling	10:54	Static Water Level	8.59

NOTES:

TOC = Top of Casing

NM = Not Measured, Inaccessible

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW2 - 7**	Date: 10/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, 60°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	12:16	Pump Start Time	12:18
Static Water Level (+/- 0.01 feet)*	10.65	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	17.61	Time to Purge Well (hours:minutes)	0:14
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	4.30		
Actual Volume of Water Purged (mL)	1,400		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
12:23	500	18.16	0.92	7.9	6.49	1.59	11.13
12:26	800	18.16	0.06	3.1	6.44	1.59	11.31
12:29	1,100	18.19	0.00	2.2	6.42	1.59	11.40
12:32	1,400	18.27	0.00	1.7	6.43	1.59	11.43

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
12:32	1,400	18.27	0.00	1.7	6.43	1.59	11.43
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/7/2025, 8:35

Notes / Unusual Occurrences: None

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW3 - 5**	Date: 10/6/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Overcast, Raining, 57°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	16:42	Pump Start Time	16:45
Static Water Level (+/- 0.01 feet)*	6.96	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	18.35	Time to Purge Well (hours:minutes)	0:32
Pump Intake Elevation (+/- 0.01 feet)*	901.85	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	7.03		
Actual Volume of Water Purged (mL)	3,200		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
16:50	500	16.68	6.88	14.1	7.12	1.94	7.18
16:53	800	16.69	6.34	10.3	7.03	2.11	7.18
16:56	1,100	16.71	6.00	9.8	7.07	2.17	7.18
16:59	1,400	16.72	5.77	8.4	7.08	2.18	7.18
17:02	1,700	16.79	5.54	8.3	7.07	2.19	7.18
17:05	2,000	16.82	5.44	8.4	7.08	2.19	7.18
17:08	2,300	16.71	5.08	7.5	7.10	2.20	7.18
17:11	2,600	16.76	4.86	7.6	7.10	2.20	7.18
17:14	2,900	16.77	4.82	8.4	7.11	2.20	7.18
17:17	3,200	16.74	4.74	7.3	7.12	2.19	7.18

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
17:17	3,200	16.74	4.74	7.3	7.12	2.190	7.18
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics / **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	4/7/2025, 8:25

Notes / Unusual Occurrences: None

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW4 - 2**	Date: 10/6/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Overcast, Raining, 56°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	12:28	Pump Start Time	12:41
Static Water Level (+/- 0.01 feet)*	6.08	Purge Rate (mL/minute)	150
Bottom of Well Casing (+/- 0.01 feet)*	14.50	Time to Purge Well (hours:minutes)	0:38
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	5.20		
Actual Volume of Water Purged (mL)	5,700		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
12:46	750	15.65	1.58	110	6.78	1.03	6.08
12:49	1,200	15.56	0.60	82.0	6.83	1.03	6.08
12:52	1,650	15.68	0.79	40.5	6.84	1.03	6.08
12:55	2,100	15.76	1.25	19.5	6.95	1.03	6.08
12:58	2,550	15.86	1.69	16.4	6.94	1.03	6.08
13:01	3,000	15.92	2.17	12.4	6.96	1.03	6.08
13:04	3,450	15.99	2.65	11.1	6.95	1.02	6.08
13:07	3,900	15.99	2.90	10.8	6.92	1.02	6.08
13:10	4,350	16.01	2.96	11.2	6.94	1.02	6.08
13:13	4,800	16.01	3.49	12.8	6.93	1.02	6.08
13:16	5,250	16.04	3.52	13.3	6.94	1.02	6.08
13:19	5,700	16.06	3.55	13.6	6.97	1.02	6.08

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:19	5,700	16.06	3.55	13.6	6.97	1.02	6.08
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		150

Sample Physical Characteristics / **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/6/2025, 8:28

Notes / Unusual Occurrences: None

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW5 - 3**	Date: 10/6/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Overcast, Raining, 54°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	14:43	Pump Start Time	14:45
Static Water Level (+/- 0.01 feet)*	5.22	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	15.80	Time to Purge Well (hours:minutes)	0:26
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	6.53		
Actual Volume of Water Purged (mL)	2,600		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
14:50	500	18.40	6.25	5.2	7.15	1.51	5.42
14:53	800	17.93	4.70	2.4	7.14	1.49	5.42
14:56	1,100	17.37	4.30	3.4	7.17	1.47	5.31
14:59	1,400	17.08	4.00	2.0	7.26	1.48	5.24
15:02	1,700	16.92	3.89	2.2	7.29	1.49	5.24
15:05	2,000	16.75	3.84	2.7	7.24	1.49	5.24
15:08	2,300	16.71	3.79	1.6	7.30	1.49	5.24
15:11	2,600	16.67	3.73	1.7	7.30	1.49	5.24

Well Evacuated to Dryness? Yes Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
15:11	2,600	16.67	3.73	2	7.30	1.49	5.24
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	None	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/6/2025, 8:28

Notes / Unusual Occurrences: None

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW6 - 4**	Date: 10/6/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Overcast, Raining, 54°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	15:39	Pump Start Time	15:41
Static Water Level (+/- 0.01 feet)*	7.36	Purge Rate (mL/minute)	100
Bottom of Well Casing (+/- 0.01 feet)*	14.50	Time to Purge Well (hours:minutes)	0:23
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	4.41		
Actual Volume of Water Purged (mL)	2,300		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
15:46	500	15.14	2.57	14.80	7.15	1.30	7.44
15:49	800	15.13	2.99	6.7	7.09	1.18	7.38
15:52	1,100	15.20	3.35	5.8	7.08	1.12	7.36
15:55	1,400	15.18	3.60	4.2	7.07	1.05	7.36
15:58	1,700	15.14	3.95	4.1	7.06	1.04	7.36
16:01	2,000	15.10	3.93	3.2	7.07	1.03	7.36
16:04	2,300	15.11	3.93	3.1	7.07	1.03	7.36

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
16:04	2,300	15.11	3.93	3.1	7.07	1.03	7.36
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		100

Sample Physical Characteristics / **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	None	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/6/2025, 8:28

Notes / Unusual Occurrences: Dry

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW7 - 8**	Date: 10/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, 62°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	13:08	Pump Start Time	13:10
Static Water Level (+/- 0.01 feet)*	7.49	Purge Rate (mL/minute)	200
Bottom of Well Casing (+/- 0.01 feet)*	24.10	Time to Purge Well (hours:minutes)	0:23
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	10.26		
Actual Volume of Water Purged (mL)	4,600		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:15	1,000	22.27	0.02	178	6.96	0.837	7.49
13:18	1,600	22.02	0.00	104	7.01	0.823	7.49
13:21	2,200	21.88	0.00	65.1	7.02	0.825	7.49
13:24	2,800	21.64	0.00	46.1	7.02	0.827	7.49
13:27	3,400	21.58	0.00	37.7	7.00	0.828	7.49
13:30	4,000	21.52	0.00	30.4	6.98	0.829	7.49
13:33	4,600	21.47	0.00	24.2	7.00	0.829	7.49

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
13:33	4,600	21.47	0.00	24.2	7.00	0.829	7.49
Duplicate?	Yes, DUP2	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		200

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/7/2025, 8:35

Notes / Unusual Occurrences: None

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW8 - 6**	Date: 10/7/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Clear, Sunny, 58°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	11:25	Pump Start Time	11:28
Static Water Level (+/- 0.01 feet)*	5.80	Purge Rate (mL/minute)	150
Bottom of Well Casing (+/- 0.01 feet)*	15.60	Time to Purge Well (hours:minutes)	0:23
Pump Intake Elevation (+/- 0.01 feet)*	Not Measured	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	6.05		
Actual Volume of Water Purged (mL)	3,450		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
11:33	750	18.42	2.42	189	6.94	0.813	5.82
11:36	1,200	17.80	0.85	121	6.94	0.823	5.82
11:39	1,650	17.64	0.62	55.7	6.94	0.827	5.82
11:42	2,100	17.42	0.61	33.0	6.95	0.827	5.82
11:45	2,550	17.34	0.56	22.5	6.94	0.827	5.82
11:48	3,000	17.29	0.50	20.2	6.93	0.825	5.82
11:51	3,450	17.26	0.49	15.9	6.94	0.827	5.82

Well Evacuated to Dryness? No

Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
11:51	3,450	17.26	0.49	15.9	6.94	0.827	5.82
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		150

Sample Physical Characteristics		**Equipment Information**	
Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/7/2025, 8:35

Notes / Unusual Occurrences: Suspended Sand in Sample

Field Notes For Monitoring Well Sampling

Facility Name: OPPD Nebraska City Station 2	Sampler Name(s): Kyle K. Uhing (29481)
Monitoring Well Identification - Sample Number: **MW13 - 1**	Date: 10/6/2025
Wellhead Inspection (Condition): Compliant	Weather Conditions: Overcast, Raining, 56°F

Groundwater Measurements and Purge Data

Time of Water Level Measurement	10:40	Pump Start Time	10:42
Static Water Level (+/- 0.01 feet)*	4.08	Purge Rate (mL/minute)	150
Bottom of Well Casing (+/- 0.01 feet)*	15.19	Time to Purge Well (hours:minutes)	0:38
Pump Intake Elevation (+/- 0.01 feet)*	908.30	Purge and Sample Equipment: Dedicated Bladder Pump with QED Flow Controller and Nitrogen Gas, Graduated Measuring Bucket and Cup, Multi-Parameter Water Meter, and Electronic Water Level Indicator	
2" Well Casing Volume (L)	6.86		
Actual Volume of Water Purged (mL)	5,700		

*Measurement collected from a defined point on the edge of the surveyed top of monitoring well casing using an electronic water level indicator.

Groundwater Parameter Data

Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
10:47	750	16.93	4.60	72.0	6.72	0.676	4.08
10:50	1,200	16.78	4.09	45.0	6.90	0.658	4.08
10:53	1,650	16.71	3.70	31.5	6.93	0.659	4.08
10:56	2,100	16.58	3.20	22.0	6.88	0.662	4.08
10:59	2,550	16.56	2.85	16.4	6.82	0.665	4.08
11:02	3,000	16.52	2.78	15.0	6.81	0.669	4.08
11:05	3,450	16.50	2.64	13.0	6.83	0.670	4.08
11:08	3,900	16.48	2.62	13.5	6.83	0.672	4.08
11:11	4,350	16.48	2.40	12.9	6.83	0.675	4.08
11:14	4,800	16.47	2.39	11.5	6.81	0.677	4.08
11:17	5,250	16.47	2.32	11.6	6.82	0.679	4.08
11:20	5,700	16.47	2.28	11.2	6.82	0.680	4.08

Well Evacuated to Dryness? Yes Recharge time? Not Measured

Groundwater Sample Information

Sample Time	Volume Purged (mL)	Temperature (°C)	DO (mg/L)	Turbidity (NTU)	pH	Conductivity (mS/cm)	Water Level (feet)
11:20	5,700	16.47	2.28	11.2	6.82	0.680	4.08
Duplicate?	No	Preservation?	Cool on Ice, HNO_3 for Metals		Pump Rate (mL/minute)		150

Sample Physical Characteristics / **Equipment Information**

Sample Clarity	Clear	QED Pump Control Information	CPM-2, 27/3, ~20 psi
Sample Color	Clear	Decontamination Procedure	Alconox and DI Water Rinse
Sample Odor	Odorless	Instrument Calibration By	Kyle K. Uhing
Immiscible Layer Observed? If so, thickness?	No	Date and Time of Calibration	10/6/2025, 8:28

Notes / Unusual Occurrences: None

Equipment Calibration Sheet

Date: 10/6/2025
Time: 8:28

Person Calibrating Instrument: Kyle K. Uhing

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

Parameter:	Reading	Units
pH 4	4.00	NA
Conductivity	4.16	µS/cm
Turbidity	0.0	NTU
DO	9.95	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

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Equipment Calibration Sheet

Date: 10/7/2025
Time: 8:35

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	NA
Conductivity	4.79	µS/cm
Turbidity	0.0	NTU
DO	10.25	mg/L

Comments:

The Horiba was calibrated using pH 4.0 AutoCal buffer solution.

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Appendix B

Laboratory Analytical Reports

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eurofins | Environment Testing

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 4/21/2025 7:38:24 AM

JOB DESCRIPTION

Nebraska City Unit 2 CCR/Landfill

JOB NUMBER

310-303711-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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

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

Table of Contents

Job Narrative
310-303711-1

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 4/9/2025 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°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.

Sample Summary

Client: Omaha Public Power District
Project/Site: Nebraska City Unit 2 CCR/Landfill

Job ID: 310-303711-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-303711-1	NC2MW2	Water	04/07/25 16:36	04/09/25 17:15
310-303711-2	NC2MW3	Water	04/07/25 14:43	04/09/25 17:15
310-303711-3	NC2MW5	Water	04/07/25 13:10	04/09/25 17:15
310-303711-4	NC2MW7	Water	04/07/25 17:42	04/09/25 17:15
310-303711-5	NC2MW8	Water	04/07/25 15:51	04/09/25 17:15
310-303711-6	DUP2	Water	04/07/25 00:00	04/09/25 17:15

Detection Summary

Client: Omaha Public Power District
Project/Site: Nebraska City Unit 2 CCR/Landfill

Job ID: 310-303711-1

Client Sample ID: NC2MW2 — Lab Sample ID: 310-303711-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00296		0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.000868	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0700		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.570		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000125	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	222		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000369	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00279		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0241		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0259		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00497	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.320		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	506		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1080		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	25.5		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW3 — Lab Sample ID: 310-303711-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00141	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0884		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.206		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	134		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000529		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0305		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00428		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00185	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.937		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	109		50.0	18.0	mg/L	10		D516-16	Total/NA
Total Dissolved Solids	674		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.28		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW5 — Lab Sample ID: 310-303711-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00216		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0628		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	2.23		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	207		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000240	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000938		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0100		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0278		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.0132		0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.242		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	454		250	90.0	mg/L	50		D516-16	Total/NA
Total Dissolved Solids	1280		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	33.1		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Omaha Public Power District
Project/Site: Nebraska City Unit 2 CCR/Landfill

Job ID: 310-303711-1

Client Sample ID: NC2MW7 — Lab Sample ID: 310-303711-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0395		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.497		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.214		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	106		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000240	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0601		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00193	J	0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.339		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	11.7		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	508		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	9.19		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW8 — Lab Sample ID: 310-303711-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00435		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.412		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.169		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	94.3		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00116		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0303		0.0100	0.00290	mg/L	1		6020B	Total/NA
Selenium	0.00166	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.332		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	119		25.0	9.00	mg/L	5		D516-16	Total/NA
Total Dissolved Solids	446		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	7.97		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: DUP2 — Lab Sample ID: 310-303711-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0397		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.496		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.182		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	105		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000244	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0611		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00182	J	0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.343		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	9.78		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	500		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	9.41		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2
Lab Sample ID: 310-303711-1
Date Collected: 04/07/25 16:36
Matrix: Water
Date Received: 04/09/25 17:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00296		0.00200	0.00100	mg/L		04/11/25 09:00	04/15/25 16:38	1
Arsenic	0.000868	J	0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:38	1
Barium	0.0700		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:38	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:07	1
Boron	0.570		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:38	1
Cadmium	0.000125	J	0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:38	1
Calcium	222		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:38	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:38	1
Cobalt	0.000369	J	0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 15:07	1
Lead	0.00279		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:38	1
Lithium	0.0241		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:07	1
Molybdenum	0.0259		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:38	1
Selenium	0.00497	J	0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:38	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:38	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		04/14/25 13:13	04/15/25 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.320		0.100	0.0490	mg/L			04/18/25 10:32	1
Sulfate (ASTM D516-16)	506		100	36.0	mg/L			04/15/25 15:31	20
Total Dissolved Solids (SM 2540C)	1080		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	25.5		2.00	1.40	mg/L			04/14/25 17:25	1

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW3
Lab Sample ID: 310-303711-2
Date Collected: 04/07/25 14:43
Matrix: Water
Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 16:40	1
Arsenic	**0.00141**	**J**	0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:40	1
Barium	**0.0884**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:40	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:10	1
Boron	**0.206**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:40	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:40	1
Calcium	**134**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:40	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:40	1
Cobalt	**0.000529**		0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 15:10	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:40	1
Lithium	**0.0305**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:10	1
Molybdenum	**0.00428**		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:40	1
Selenium	**0.00185**	**J**	0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:40	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:40	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		04/14/25 13:13	04/15/25 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.937**		0.100	0.0490	mg/L			04/18/25 10:42	1
Sulfate (ASTM D516-16)	**109**		50.0	18.0	mg/L			04/15/25 16:00	10
Total Dissolved Solids (SM 2540C)	**674**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**6.28**		2.00	1.40	mg/L			04/14/25 17:25	1

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW5
Lab Sample ID: 310-303711-3
Date Collected: 04/07/25 13:10
Matrix: Water
Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 16:42	1
Arsenic	**0.00216**		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:42	1
Barium	**0.0628**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:42	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:12	1
Boron	**2.23**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:42	1
Calcium	**207**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:42	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:42	1
Cobalt	**0.000240**	**J**	0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 15:12	1
Lead	**0.000938**		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:42	1
Lithium	**0.0100**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:12	1
Molybdenum	**0.0278**		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:42	1
Selenium	**0.0132**		0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:42	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:42	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		04/14/25 13:13	04/15/25 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.242**		0.100	0.0490	mg/L			04/18/25 10:45	1
Sulfate (ASTM D516-16)	**454**		250	90.0	mg/L			04/15/25 15:32	50
Total Dissolved Solids (SM 2540C)	**1280**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**33.1**		2.00	1.40	mg/L			04/14/25 17:25	1

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW7
Lab Sample ID: 310-303711-4
Date Collected: 04/07/25 17:42
Matrix: Water
Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 16:45	1
Arsenic	**0.0395**		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:45	1
Barium	**0.497**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:45	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:14	1
Boron	**0.214**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:45	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:45	1
Calcium	**106**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:45	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:45	1
Cobalt	**0.000240**	**J**	0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 15:14	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:45	1
Lithium	**0.0601**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:14	1
Molybdenum	**0.00193**	**J**	0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:45	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:45	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:45	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		04/14/25 13:13	04/15/25 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.339**		0.100	0.0490	mg/L			04/18/25 10:49	1
Sulfate (ASTM D516-16)	**11.7**		5.00	1.80	mg/L			04/15/25 15:33	1
Total Dissolved Solids (SM 2540C)	**508**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**9.19**		2.00	1.40	mg/L			04/14/25 17:26	1

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW8
Lab Sample ID: 310-303711-5
Date Collected: 04/07/25 15:51
Matrix: Water
Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 16:47	1
Arsenic	**0.00435**		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:47	1
Barium	**0.412**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:47	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:17	1
Boron	**0.169**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:47	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:47	1
Calcium	**94.3**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:47	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:47	1
Cobalt	**0.00116**		0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 15:17	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:47	1
Lithium	**0.0303**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:17	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:47	1
Selenium	**0.00166**	**J**	0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:47	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:47	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		04/14/25 13:13	04/15/25 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.332**		0.100	0.0490	mg/L			04/18/25 10:59	1
Sulfate (ASTM D516-16)	**119**		25.0	9.00	mg/L			04/15/25 15:33	5
Total Dissolved Solids (SM 2540C)	**446**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**7.97**		2.00	1.40	mg/L			04/14/25 18:02	1

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: DUP2
Lab Sample ID: 310-303711-6

Date Collected: 04/07/25 00:00
Matrix: Water

Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 16:50	1
Arsenic	**0.0397**		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:50	1
Barium	**0.496**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:50	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:19	1
Boron	**0.182**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:50	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:50	1
Calcium	**105**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:50	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:50	1
Cobalt	**0.000244**	**J**	0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 15:19	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:50	1
Lithium	**0.0611**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:19	1
Molybdenum	**0.00182**	**J**	0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:50	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:50	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:50	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		04/14/25 13:13	04/15/25 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.343**		0.100	0.0490	mg/L			04/18/25 11:02	1
Sulfate (ASTM D516-16)	**9.78**		5.00	1.80	mg/L			04/15/25 15:59	1
Total Dissolved Solids (SM 2540C)	**500**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**9.41**		2.00	1.40	mg/L			04/14/25 16:43	1

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-451247/1-A
Matrix: Water
Analysis Batch: 451718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/11/25 09:00	04/15/25 16:09	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:09	1
Barium	<0.000660		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:09	1
Boron	<0.0820		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:09	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:09	1
Calcium	<0.190		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:09	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:09	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:09	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:09	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:09	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:09	1

Lab Sample ID: MB 310-451247/1-A
Matrix: Water
Analysis Batch: 451983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 14:41	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 14:41	1
Lithium	<0.00290		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 14:41	1

Lab Sample ID: LCS 310-451247/2-A
Matrix: Water
Analysis Batch: 451718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2179		mg/L		109	80 - 120
Arsenic	0.200	0.2079		mg/L		104	80 - 120
Barium	0.100	0.1120		mg/L		112	80 - 120
Boron	0.200	0.2341		mg/L		117	80 - 120
Cadmium	0.100	0.1032		mg/L		103	80 - 120
Calcium	2.00	1.708		mg/L		85	80 - 120
Chromium	0.100	0.1007		mg/L		101	80 - 120
Lead	0.200	0.2092		mg/L		105	80 - 120
Molybdenum	0.200	0.2053		mg/L		103	80 - 120
Selenium	0.400	0.3935		mg/L		98	80 - 120
Thallium	0.100	0.08808		mg/L		88	80 - 120

Lab Sample ID: LCS 310-451247/2-A
Matrix: Water
Analysis Batch: 451983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.1006		mg/L		101	80 - 120
Cobalt	0.100	0.1054		mg/L		105	80 - 120
Lithium	0.200	0.2126		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-451395/1-A
Matrix: Water
Analysis Batch: 451657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/14/25 13:13	04/15/25 11:28	1

Lab Sample ID: LCS 310-451395/2-A
Matrix: Water
Analysis Batch: 451657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00167	0.001711		mg/L		103	80 - 120		

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

Lab Sample ID: MB 310-452087/5
Matrix: Water
Analysis Batch: 452087

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			04/18/25 10:26	1

Lab Sample ID: LCS 310-452087/6
Matrix: Water
Analysis Batch: 452087

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	1.919		mg/L		96	90 - 110		

Lab Sample ID: 310-303711-1 MS
Matrix: Water
Analysis Batch: 452087

Client Sample ID: NC2MW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.320		1.00	1.178		mg/L		86	75 - 125		

Lab Sample ID: 310-303711-1 MSD
Matrix: Water
Analysis Batch: 452087

Client Sample ID: NC2MW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.320		1.00	1.193		mg/L		87	75 - 125	1	20

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-451681/16
Matrix: Water
Analysis Batch: 451681

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			04/15/25 15:25	1

Method: D516-16 - Sulfate (Continued)

Lab Sample ID: MB 310-451681/45
Matrix: Water
Analysis Batch: 451681

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			04/15/25 15:37	1

Lab Sample ID: LCS 310-451681/14
Matrix: Water
Analysis Batch: 451681

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	8.587		mg/L		86	85 - 115

Lab Sample ID: LCS 310-451681/46
Matrix: Water
Analysis Batch: 451681

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	9.067		mg/L		91	85 - 115

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

Lab Sample ID: MB 310-451284/1
Matrix: Water
Analysis Batch: 451284

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			04/10/25 20:38	1

Lab Sample ID: LCS 310-451284/2
Matrix: Water
Analysis Batch: 451284

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	988.0		mg/L		99	88 - 110

Lab Sample ID: 310-303711-1 DU
Matrix: Water
Analysis Batch: 451284

Client Sample ID: NC2MW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1080		1086		mg/L		0.4	16

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-451567/16
Matrix: Water
Analysis Batch: 451567

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			04/14/25 16:25	1

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

Lab Sample ID: MB 310-451567/45
Matrix: Water
Analysis Batch: 451567

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			04/14/25 16:37	1

Lab Sample ID: MB 310-451567/81
Matrix: Water
Analysis Batch: 451567

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			04/14/25 17:17	1

Lab Sample ID: LCS 310-451567/14
Matrix: Water
Analysis Batch: 451567

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	10.50		mg/L		105	90 - 110

Lab Sample ID: LCS 310-451567/46
Matrix: Water
Analysis Batch: 451567

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	10.83		mg/L		108	90 - 110

Lab Sample ID: LCS 310-451567/82
Matrix: Water
Analysis Batch: 451567

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	10.19		mg/L		102	90 - 110

Metals

Prep Batch: 451247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	3005A	
310-303711-2	NC2MW3	Total/NA	Water	3005A	
310-303711-3	NC2MW5	Total/NA	Water	3005A	
310-303711-4	NC2MW7	Total/NA	Water	3005A	
310-303711-5	NC2MW8	Total/NA	Water	3005A	
310-303711-6	DUP2	Total/NA	Water	3005A	
MB 310-451247/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-451247/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 451395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	7470A	
310-303711-2	NC2MW3	Total/NA	Water	7470A	
310-303711-3	NC2MW5	Total/NA	Water	7470A	
310-303711-4	NC2MW7	Total/NA	Water	7470A	
310-303711-5	NC2MW8	Total/NA	Water	7470A	
310-303711-6	DUP2	Total/NA	Water	7470A	
MB 310-451395/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-451395/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 451657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	7470A	451395
310-303711-2	NC2MW3	Total/NA	Water	7470A	451395
310-303711-3	NC2MW5	Total/NA	Water	7470A	451395
310-303711-4	NC2MW7	Total/NA	Water	7470A	451395
310-303711-5	NC2MW8	Total/NA	Water	7470A	451395
310-303711-6	DUP2	Total/NA	Water	7470A	451395
MB 310-451395/1-A	Method Blank	Total/NA	Water	7470A	451395
LCS 310-451395/2-A	Lab Control Sample	Total/NA	Water	7470A	451395

Analysis Batch: 451718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	6020B	451247
310-303711-2	NC2MW3	Total/NA	Water	6020B	451247
310-303711-3	NC2MW5	Total/NA	Water	6020B	451247
310-303711-4	NC2MW7	Total/NA	Water	6020B	451247
310-303711-5	NC2MW8	Total/NA	Water	6020B	451247
310-303711-6	DUP2	Total/NA	Water	6020B	451247
MB 310-451247/1-A	Method Blank	Total/NA	Water	6020B	451247
LCS 310-451247/2-A	Lab Control Sample	Total/NA	Water	6020B	451247

Analysis Batch: 451983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	6020B	451247
310-303711-2	NC2MW3	Total/NA	Water	6020B	451247
310-303711-3	NC2MW5	Total/NA	Water	6020B	451247
310-303711-4	NC2MW7	Total/NA	Water	6020B	451247
310-303711-5	NC2MW8	Total/NA	Water	6020B	451247
310-303711-6	DUP2	Total/NA	Water	6020B	451247
MB 310-451247/1-A	Method Blank	Total/NA	Water	6020B	451247

Metals (Continued)

Analysis Batch: 451983 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-451247/2-A	Lab Control Sample	Total/NA	Water	6020B	451247

General Chemistry

Analysis Batch: 451284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	SM 2540C	
310-303711-2	NC2MW3	Total/NA	Water	SM 2540C	
310-303711-3	NC2MW5	Total/NA	Water	SM 2540C	
310-303711-4	NC2MW7	Total/NA	Water	SM 2540C	
310-303711-5	NC2MW8	Total/NA	Water	SM 2540C	
310-303711-6	DUP2	Total/NA	Water	SM 2540C	
MB 310-451284/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-451284/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-303711-1 DU	NC2MW2	Total/NA	Water	SM 2540C	

Analysis Batch: 451567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	SM 4500 Cl- E	
310-303711-2	NC2MW3	Total/NA	Water	SM 4500 Cl- E	
310-303711-3	NC2MW5	Total/NA	Water	SM 4500 Cl- E	
310-303711-4	NC2MW7	Total/NA	Water	SM 4500 Cl- E	
310-303711-5	NC2MW8	Total/NA	Water	SM 4500 Cl- E	
310-303711-6	DUP2	Total/NA	Water	SM 4500 Cl- E	
MB 310-451567/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 310-451567/45	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 310-451567/81	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-451567/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 310-451567/46	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 310-451567/82	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 451681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	D516-16	
310-303711-2	NC2MW3	Total/NA	Water	D516-16	
310-303711-3	NC2MW5	Total/NA	Water	D516-16	
310-303711-4	NC2MW7	Total/NA	Water	D516-16	
310-303711-5	NC2MW8	Total/NA	Water	D516-16	
310-303711-6	DUP2	Total/NA	Water	D516-16	
MB 310-451681/16	Method Blank	Total/NA	Water	D516-16	
MB 310-451681/45	Method Blank	Total/NA	Water	D516-16	
LCS 310-451681/14	Lab Control Sample	Total/NA	Water	D516-16	
LCS 310-451681/46	Lab Control Sample	Total/NA	Water	D516-16	

Analysis Batch: 452087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	4500 F C-2011	
310-303711-2	NC2MW3	Total/NA	Water	4500 F C-2011	
310-303711-3	NC2MW5	Total/NA	Water	4500 F C-2011	
310-303711-4	NC2MW7	Total/NA	Water	4500 F C-2011	
310-303711-5	NC2MW8	Total/NA	Water	4500 F C-2011	

General Chemistry (Continued)

Analysis Batch: 452087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-6	DUP2	Total/NA	Water	4500 F C-2011	
MB 310-452087/5	Method Blank	Total/NA	Water	4500 F C-2011	
LCS 310-452087/6	Lab Control Sample	Total/NA	Water	4500 F C-2011	
310-303711-1 MS	NC2MW2	Total/NA	Water	4500 F C-2011	
310-303711-1 MSD	NC2MW2	Total/NA	Water	4500 F C-2011	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2
Lab Sample ID: 310-303711-1
Date Collected: 04/07/25 16:36
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 16:38
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:07
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 11:45
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 10:32
Total/NA	Analysis	D516-16		20	451681	ENB7	EET CF	04/15/25 15:31
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 17:25

Client Sample ID: NC2MW3
Lab Sample ID: 310-303711-2
Date Collected: 04/07/25 14:43
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 16:40
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:10
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 11:47
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 10:42
Total/NA	Analysis	D516-16		10	451681	ENB7	EET CF	04/15/25 16:00
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 17:25

Client Sample ID: NC2MW5
Lab Sample ID: 310-303711-3
Date Collected: 04/07/25 13:10
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 16:42
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:12
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 11:49
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 10:45
Total/NA	Analysis	D516-16		50	451681	ENB7	EET CF	04/15/25 15:32
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 17:25

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW7
Lab Sample ID: 310-303711-4
Date Collected: 04/07/25 17:42
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 16:45
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:14
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 11:52
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 10:49
Total/NA	Analysis	D516-16		1	451681	ENB7	EET CF	04/15/25 15:33
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 17:26

Client Sample ID: NC2MW8
Lab Sample ID: 310-303711-5
Date Collected: 04/07/25 15:51
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 16:47
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:17
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 11:54
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 10:59
Total/NA	Analysis	D516-16		5	451681	ENB7	EET CF	04/15/25 15:33
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 18:02

Client Sample ID: DUP2
Lab Sample ID: 310-303711-6
Date Collected: 04/07/25 00:00
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 16:50
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:19
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 11:56
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 11:02
Total/NA	Analysis	D516-16		1	451681	ENB7	EET CF	04/15/25 15:59
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 16:43

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

Method Summary

Client: Omaha Public Power District
Job ID: 310-303711-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

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310-303711 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: OPPD

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4/9/25 TIME 1715 Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 2

Cooler Custody Seals Present? ☐ Yes ☐ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☐ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: 2 Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.2 Corrected Temp (°C): 3.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 4/9/25 | TIME 1715 | Received By IN

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID. 2

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 2

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: R 2 | Correction Factor (°C): +0.0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C). 0.1

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica Omaha SC 68

TestAmerica

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes Shawn M	Carrier Tracking No(s)	COC No
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn.hayes@testamericainc.com		Page
Company: Omaha Public Power District				Job #
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested			
City: Omaha	TAT Requested (days)			
State, Zip: NE 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 2	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M - Hexane
B NaOH	N None
C Zn Acetate	O - AsNaO2
D Nitric Acid	P - Na2O4S
E NaHSO4	Q - Na2SO3
F MeOH	R Na2S2SO3
G - Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U - Acetone
J DI Water	V MCAA
K - EDTA	W ph 4-5
L EDA	Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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										Total Number of containers	Special Instructions/Note
			Preservation Code:				D	D	N											
NC2MW2	4/7/25	16:36	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
NC2MW3	4/7/25	14:43	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
NC2MW5	4/7/25	13:10	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
[redacted]	[redacted]	—	[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]										4	CCR Appendix III and IV Constituents
NC2MW7	4/7/25	17:47	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
NC2MW8	4/7/25	15:51	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
DUP2	4/7/25	---	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4/8/2025 16:50	OPPD	[signature]	4-9-25 0700	TA
2	[signature]	4-9-25 0800	TA			
3				XB	4/9/25 1715	TA

Custody Seals Intact: △ Yes △ No

Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303711-1

SDG Number:

Login Number: 303711

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.

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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 5/14/2025 11:44:13 AM

JOB DESCRIPTION

Nebraska City Unit 2 CCR/Landfill

JOB NUMBER

310-303711-2

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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
5/14/2025 11:44:13 AM

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

Table of Contents

Job Narrative
310-303711-2

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 4/9/2025 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

Gas Flow Proportional Counter
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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-303711-1	NC2MW2	Water	04/07/25 16:36	04/09/25 17:15
310-303711-2	NC2MW3	Water	04/07/25 14:43	04/09/25 17:15
310-303711-3	NC2MW5	Water	04/07/25 13:10	04/09/25 17:15
310-303711-4	NC2MW7	Water	04/07/25 17:42	04/09/25 17:15
310-303711-5	NC2MW8	Water	04/07/25 15:51	04/09/25 17:15
310-303711-6	DUP2	Water	04/07/25 00:00	04/09/25 17:15

Detection Summary

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2 **Lab Sample ID: 310-303711-1**

No Detections.

Client Sample ID: NC2MW3 **Lab Sample ID: 310-303711-2**

No Detections.

Client Sample ID: NC2MW5 **Lab Sample ID: 310-303711-3**

No Detections.

Client Sample ID: NC2MW7 **Lab Sample ID: 310-303711-4**

No Detections.

Client Sample ID: NC2MW8 **Lab Sample ID: 310-303711-5**

No Detections.

Client Sample ID: DUP2 **Lab Sample ID: 310-303711-6**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: NC2MW2
Lab Sample ID: 310-303711-1

Date Collected: 04/07/25 16:36
Matrix: Water

Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.465		0.268	0.271	1.00	0.350	pCi/L	04/15/25 07:37	05/13/25 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*04/15/25 07:37*	*05/13/25 14:10*	*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	1.02		0.451	0.461	1.00	0.614	pCi/L	04/15/25 07:41	05/13/25 09:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*04/15/25 07:41*	*05/13/25 09:59*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/15/25 07:41*	*05/13/25 09:59*	*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	1.48		0.525	0.535	5.00	0.614	pCi/L		05/14/25 11:35	1

Client Sample ID: NC2MW3
Lab Sample ID: 310-303711-2

Date Collected: 04/07/25 14:43
Matrix: Water

Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.164	U	0.254	0.255	1.00	0.435	pCi/L	04/15/25 07:37	05/13/25 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*04/15/25 07:37*	*05/13/25 14:10*	*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	**0.684**		0.380	0.385	1.00	0.540	pCi/L	04/15/25 07:41	05/13/25 09:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*04/15/25 07:41*	*05/13/25 09:59*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/15/25 07:41*	*05/13/25 09:59*	*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	**0.848**		0.457	0.462	5.00	0.540	pCi/L		05/14/25 11:35	1

Client Sample ID: NC2MW5
Lab Sample ID: 310-303711-3

Date Collected: 04/07/25 13:10
Matrix: Water

Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0910	U	0.251	0.251	1.00	0.456	pCi/L	04/15/25 07:37	05/13/25 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*04/15/25 07:37*	*05/13/25 14:10*	*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	**0.653**		0.397	0.402	1.00	0.580	pCi/L	04/15/25 07:41	05/13/25 09:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*04/15/25 07:41*	*05/13/25 09:59*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/15/25 07:41*	*05/13/25 09:59*	*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	**0.744**		0.470	0.474	5.00	0.580	pCi/L		05/14/25 11:35	1

Client Sample ID: NC2MW7
Lab Sample ID: 310-303711-4

Date Collected: 04/07/25 17:42
Matrix: Water

Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.272	U	0.317	0.318	1.00	0.520	pCi/L	04/16/25 07:53	05/12/25 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:24*	*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	**1.14**		0.512	0.522	1.00	0.671	pCi/L	04/16/25 12:24	05/12/25 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:17*	*1*
Y Carrier	*74.8*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:17*	*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	**1.41**		0.602	0.611	5.00	0.671	pCi/L		05/14/25 11:35	1

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW8
Lab Sample ID: 310-303711-5

Date Collected: 04/07/25 15:51
Matrix: Water

Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.406**		0.272	0.274	1.00	0.380	pCi/L	04/16/25 07:53	05/12/25 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:24*	*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	0.660	U	0.460	0.464	1.00	0.697	pCi/L	04/16/25 12:24	05/12/25 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:17*	*1*
Y Carrier	*74.8*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:17*	*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	**1.07**		0.534	0.539	5.00	0.697	pCi/L		05/14/25 11:35	1

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: DUP2
Lab Sample ID: 310-303711-6

Date Collected: 04/07/25 00:00
Matrix: Water

Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.350		0.243	0.245	1.00	0.332	pCi/L	04/16/25 07:53	05/12/25 16:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:23*	*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	0.379	U	0.492	0.493	1.00	0.820	pCi/L	04/16/25 12:24	05/12/25 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:17*	*1*
Y Carrier	*59.8*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:17*	*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	0.729	U	0.549	0.551	5.00	0.820	pCi/L		05/14/25 11:35	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Qualifiers

Rad

Qualifier	Qualifier Description
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

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-712404/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 717331
Prep Batch: 712404

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.09754	U	0.195	0.195	1.00	0.349	pCi/L	04/15/25 07:37	05/13/25 13:56	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*04/15/25 07:37*	*05/13/25 13:56*	*1*

Lab Sample ID: LCS 160-712404/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 717331
Prep Batch: 712404

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.674		1.18	1.00	0.313	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.7*		*30 - 110*

Lab Sample ID: MB 160-712641/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 717159
Prep Batch: 712641

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1151	U	0.202	0.203	1.00	0.356	pCi/L	04/16/25 07:53	05/12/25 16:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:27*	*1*

Lab Sample ID: LCS 160-712641/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 717159
Prep Batch: 712641

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.099		1.14	1.00	0.342	pCi/L	85	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-712405/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 717329
Prep Batch: 712405

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1268	U	0.323	0.323	1.00	0.569	pCi/L	04/15/25 07:41	05/13/25 09:45	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		30 - 110	04/15/25 07:41	05/13/25 09:45	1
Y Carrier	78.9		30 - 110	04/15/25 07:41	05/13/25 09:45	1

Lab Sample ID: LCS 160-712405/2-A
Matrix: Water
Analysis Batch: 717329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712405

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.45	10.82		1.44	1.00	0.554	pCi/L	115	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.7		30 - 110
Y Carrier	78.5		30 - 110

Lab Sample ID: MB 160-712802/1-A
Matrix: Water
Analysis Batch: 717159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712802

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2283	U	0.402	0.403	1.00	0.689	pCi/L	04/16/25 12:24	05/12/25 14:16	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110	04/16/25 12:24	05/12/25 14:16	1
Y Carrier	75.5		30 - 110	04/16/25 12:24	05/12/25 14:16	1

Lab Sample ID: LCS 160-712802/2-A
Matrix: Water
Analysis Batch: 717159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712802

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.45	11.75		1.55	1.00	0.568	pCi/L	124	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.9		30 - 110
Y Carrier	77.0		30 - 110

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

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Prep Batch: 712404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	PrecSep-21	
310-303711-2	NC2MW3	Total/NA	Water	PrecSep-21	
310-303711-3	NC2MW5	Total/NA	Water	PrecSep-21	
MB 160-712404/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712404/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-1	NC2MW2	Total/NA	Water	PrecSep_0	
310-303711-2	NC2MW3	Total/NA	Water	PrecSep_0	
310-303711-3	NC2MW5	Total/NA	Water	PrecSep_0	
MB 160-712405/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712405/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 712641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-4	NC2MW7	Total/NA	Water	PrecSep-21	
310-303711-5	NC2MW8	Total/NA	Water	PrecSep-21	
310-303711-6	DUP2	Total/NA	Water	PrecSep-21	
MB 160-712641/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712641/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303711-4	NC2MW7	Total/NA	Water	PrecSep_0	
310-303711-5	NC2MW8	Total/NA	Water	PrecSep_0	
310-303711-6	DUP2	Total/NA	Water	PrecSep_0	
MB 160-712802/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712802/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2
Lab Sample ID: 310-303711-1
Date Collected: 04/07/25 16:36
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712404	OGC	EET SL	04/15/25 07:37
Total/NA	Analysis	9315		1	717330	SWS	EET SL	05/13/25 14:10
Total/NA	Prep	PrecSep_0			712405	OGC	EET SL	04/15/25 07:41
Total/NA	Analysis	9320		1	717330	SWS	EET SL	05/13/25 09:59
Total/NA	Analysis	Ra226_Ra228		1	717550	CAH	EET SL	05/14/25 11:35

Client Sample ID: NC2MW3
Lab Sample ID: 310-303711-2
Date Collected: 04/07/25 14:43
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712404	OGC	EET SL	04/15/25 07:37
Total/NA	Analysis	9315		1	717330	SWS	EET SL	05/13/25 14:10
Total/NA	Prep	PrecSep_0			712405	OGC	EET SL	04/15/25 07:41
Total/NA	Analysis	9320		1	717330	SWS	EET SL	05/13/25 09:59
Total/NA	Analysis	Ra226_Ra228		1	717550	CAH	EET SL	05/14/25 11:35

Client Sample ID: NC2MW5
Lab Sample ID: 310-303711-3
Date Collected: 04/07/25 13:10
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712404	OGC	EET SL	04/15/25 07:37
Total/NA	Analysis	9315		1	717330	SWS	EET SL	05/13/25 14:10
Total/NA	Prep	PrecSep_0			712405	OGC	EET SL	04/15/25 07:41
Total/NA	Analysis	9320		1	717330	SWS	EET SL	05/13/25 09:59
Total/NA	Analysis	Ra226_Ra228		1	717550	CAH	EET SL	05/14/25 11:35

Client Sample ID: NC2MW7
Lab Sample ID: 310-303711-4
Date Collected: 04/07/25 17:42
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712641	OGC	EET SL	04/16/25 07:53
Total/NA	Analysis	9315		1	717147	SCB	EET SL	05/12/25 16:24
Total/NA	Prep	PrecSep_0			712802	OGC	EET SL	04/16/25 12:24
Total/NA	Analysis	9320		1	717159	SCB	EET SL	05/12/25 14:17
Total/NA	Analysis	Ra226_Ra228		1	717550	CAH	EET SL	05/14/25 11:35

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW8
Lab Sample ID: 310-303711-5

Date Collected: 04/07/25 15:51
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712641	OGC	EET SL	04/16/25 07:53
Total/NA	Analysis	9315		1	717147	SCB	EET SL	05/12/25 16:24
Total/NA	Prep	PrecSep_0			712802	OGC	EET SL	04/16/25 12:24
Total/NA	Analysis	9320		1	717159	SCB	EET SL	05/12/25 14:17
Total/NA	Analysis	Ra226_Ra228		1	717550	CAH	EET SL	05/14/25 11:35

Client Sample ID: DUP2
Lab Sample ID: 310-303711-6

Date Collected: 04/07/25 00:00
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712641	OGC	EET SL	04/16/25 07:53
Total/NA	Analysis	9315		1	717147	SCB	EET SL	05/12/25 16:23
Total/NA	Prep	PrecSep_0			712802	OGC	EET SL	04/16/25 12:24
Total/NA	Analysis	9320		1	717159	SCB	EET SL	05/12/25 14:17
Total/NA	Analysis	Ra226_Ra228		1	717550	CAH	EET SL	05/14/25 11:35

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
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

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	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
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

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310-303711 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: OPPD

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4/9/25 TIME 1715 Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 2

Cooler Custody Seals Present? ☐ Yes ☐ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☐ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: 2 Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.2 Corrected Temp (°C): 3.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 4/9/25 | TIME 1715 | Received By IN

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID. 2

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # ___ of 2

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: R 2 | Correction Factor (°C): +0.0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C). 0.1

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes Shawn M	Carrier Tracking No(s):	COC No:
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn.hayes@testamericainc.com		Page:
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested:	Analysis Requested		
City: Omaha	TAT Requested (days):			
State, Zip: NE 68102-2247	PO #:			
Phone: (531) 226-2515	WO #:			
Email: kkuhing@oppd.com	TestAmerica Project #: 31007559			
Project Name: Nebraska City Station Unit 2 CCR / Landfill	SSOW#:			
Site: Nebraska City Station Unit 2				

Preservation Codes

A HCL	M - Hexane
B NaOH	N None
C Zn Acetate	O - AsNaO2
D Nitric Acid	P - Na2O4S
E NaHSO4	Q - Na2SO3
F MeOH	R Na2S2SO3
G - Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U - Acetone
J DI Water	V MCAA
K - EDTA	W ph 4-5
L EDA	Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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										Total Number of containers	Special Instructions/Note
			Preservation Code:				D	D	N											
NC2MW2	4/7/25	16:36	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
NC2MW3	4/7/25	14:43	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
NC2MW5	4/7/25	13:10	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
[redacted]	[redacted]	—	[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]										4	CCR Appendix III and IV Constituents
NC2MW7	4/7/25	17:47	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
NC2MW8	4/7/25	15:51	G	W	N		X	X	X										4	CCR Appendix III and IV Constituents
DUP2	4/7/25	---	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4/8/2025 16:50	OPPD	[signature]	4-9-25 0700	EA
2	[signature]	4-9-25 0800	EA			
3				XB	4/9/25 1715	

Custody Seals Intact: △ Yes △ No

Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

5/14/2025

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Michels, Bob C	Carrier Tracking No(s): N/A	COC No: 310-81943.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Bob.Michels@et.eurofinsus.com	State of Origin: Nebraska	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 310-303711-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/13/2025	**Analysis Requested**		Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Nebraska City Unit 2 CCR/Landfill	Project #: 31007559			
Site: 310 OPPD Nebraska City Unit 2	SSOW#: 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=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Radium-226 (GFPC) - 21 day decay	9320_Ra228/PrecSep_0 Radium-228 (GFPC)	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
NC2MW2 (310-303711-1)	4/7/25	16:36 Central	G	Water			X	X	X	2	
NC2MW3 (310-303711-2)	4/7/25	14:43 Central	G	Water			X	X	X	2	
NC2MW5 (310-303711-3)	4/7/25	13:10 Central	G	Water			X	X	X	2	
NC2MW7 (310-303711-4)	4/7/25	17:42 Central	G	Water			X	X	X	2	
NC2MW8 (310-303711-5)	4/7/25	15:51 Central	G	Water			X	X	X	2	
DUP2 (310-303711-6)	4/7/25	Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment 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 Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: [signature]	Date/Time: 4/10/25 / 1300	Company	Received by: [signature]	Date/Time: 0820 APR 14 2025	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303711-2

SDG Number:

Login Number: 303711

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: 310-303711-2
SDG Number:

Login Number: 303711
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 04/14/25 10:53 AM

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
Job ID: 310-303711-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
310-303711-1	NC2MW2	91.2
310-303711-2	NC2MW3	93.2
310-303711-3	NC2MW5	90.7
310-303711-4	NC2MW7	76.0
310-303711-5	NC2MW8	86.1
310-303711-6	DUP2	83.1
LCS 160-712404/2-A	Lab Control Sample	90.7
LCS 160-712641/2-A	Lab Control Sample	90.9
MB 160-712404/1-A	Method Blank	90.2
MB 160-712641/1-A	Method Blank	88.1

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
310-303711-1	NC2MW2	91.2	81.1
310-303711-2	NC2MW3	93.2	79.6
310-303711-3	NC2MW5	90.7	77.0
310-303711-4	NC2MW7	76.0	74.8
310-303711-5	NC2MW8	86.1	74.8
310-303711-6	DUP2	83.1	59.8
LCS 160-712405/2-A	Lab Control Sample	90.7	78.5
LCS 160-712802/2-A	Lab Control Sample	90.9	77.0
MB 160-712405/1-A	Method Blank	90.2	78.9
MB 160-712802/1-A	Method Blank	88.1	75.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

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

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 4/21/2025 7:39:24 AM

JOB DESCRIPTION

Nebraska City Unit 1 & 2 CCR / Landfill

JOB NUMBER

310-303760-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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
4/21/2025 7:39:24 AM

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

Table of Contents

Job ID: 310-303760-1 — Eurofins Cedar Falls

Job Narrative
310-303760-1

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 4/9/2025 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.1°C and 1.2°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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-303760-1	NC2MW4	Water	04/07/25 11:21	04/09/25 17:15
310-303760-2	MW13	Water	04/07/25 10:46	04/09/25 17:15

Detection Summary

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: NC2MW4 — Lab Sample ID: 310-303760-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00108	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.362		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.150		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	116		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000476	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00127		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0328		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00365		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00288	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.253		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	56.5		25.0	9.00	mg/L	5		D516-16	Total/NA
Total Dissolved Solids	498		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.83		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW13 — Lab Sample ID: 310-303760-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00488		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.253		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.122		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	114		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000194	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0369		0.0100	0.00290	mg/L	1		6020B	Total/NA
Fluoride	0.302		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	53.5		25.0	9.00	mg/L	5		D516-16	Total/NA
Total Dissolved Solids	520		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	12.4		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: NC2MW4
Lab Sample ID: 310-303760-1
Date Collected: 04/07/25 11:21
Matrix: Water
Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 17:19	1
Arsenic	**0.00108**	**J**	0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 17:19	1
Barium	**0.362**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 17:19	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:48	1
Boron	**0.150**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 17:19	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 17:19	1
Calcium	**116**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 17:19	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 17:19	1
Cobalt	**0.000476**	**J**	0.000500	0.000170	mg/L		04/11/25 09:00	04/15/25 17:19	1
Lead	**0.00127**		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 17:19	1
Lithium	**0.0328**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:48	1
Molybdenum	**0.00365**		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 17:19	1
Selenium	**0.00288**	**J**	0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 17:19	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 17:19	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		04/14/25 13:13	04/15/25 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.253**		0.100	0.0490	mg/L			04/18/25 11:28	1
Sulfate (ASTM D516-16)	**56.5**		25.0	9.00	mg/L			04/15/25 15:38	5
Total Dissolved Solids (SM 2540C)	**498**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**3.83**		2.00	1.40	mg/L			04/14/25 18:03	1

Client Sample Results

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: MW13
Lab Sample ID: 310-303760-2
Date Collected: 04/07/25 10:46
Matrix: Water
Date Received: 04/09/25 17:15

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		04/11/25 09:00	04/15/25 17:21	1
Arsenic	**0.00488**		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 17:21	1
Barium	**0.253**		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 17:21	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 15:50	1
Boron	**0.122**		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 17:21	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 17:21	1
Calcium	**114**		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 17:21	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 17:21	1
Cobalt	**0.000194**	**J**	0.000500	0.000170	mg/L		04/11/25 09:00	04/15/25 17:21	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 17:21	1
Lithium	**0.0369**		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 15:50	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 17:21	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 17:21	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 17:21	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		04/14/25 13:13	04/15/25 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.302**		0.100	0.0490	mg/L			04/18/25 11:37	1
Sulfate (ASTM D516-16)	**53.5**		25.0	9.00	mg/L			04/15/25 15:40	5
Total Dissolved Solids (SM 2540C)	**520**		50.0	36.0	mg/L			04/10/25 20:38	1
Chloride (SM 4500 Cl- E)	**12.4**		2.00	1.40	mg/L			04/14/25 18:03	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-451247/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451718
Prep Batch: 451247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/11/25 09:00	04/15/25 16:09	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/11/25 09:00	04/15/25 16:09	1
Barium	<0.000660		0.00200	0.000660	mg/L		04/11/25 09:00	04/15/25 16:09	1
Boron	<0.0820		0.100	0.0820	mg/L		04/11/25 09:00	04/15/25 16:09	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/11/25 09:00	04/15/25 16:09	1
Calcium	<0.190		0.500	0.190	mg/L		04/11/25 09:00	04/15/25 16:09	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/11/25 09:00	04/15/25 16:09	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/11/25 09:00	04/15/25 16:09	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		04/11/25 09:00	04/15/25 16:09	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/11/25 09:00	04/15/25 16:09	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/11/25 09:00	04/15/25 16:09	1

Lab Sample ID: MB 310-451247/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451983
Prep Batch: 451247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/11/25 09:00	04/17/25 14:41	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/11/25 09:00	04/17/25 14:41	1
Lithium	<0.00290		0.0100	0.00290	mg/L		04/11/25 09:00	04/17/25 14:41	1

Lab Sample ID: LCS 310-451247/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451718
Prep Batch: 451247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2179		mg/L		109	80 - 120
Arsenic	0.200	0.2079		mg/L		104	80 - 120
Barium	0.100	0.1120		mg/L		112	80 - 120
Boron	0.200	0.2341		mg/L		117	80 - 120
Cadmium	0.100	0.1032		mg/L		103	80 - 120
Calcium	2.00	1.708		mg/L		85	80 - 120
Chromium	0.100	0.1007		mg/L		101	80 - 120
Lead	0.200	0.2092		mg/L		105	80 - 120
Molybdenum	0.200	0.2053		mg/L		103	80 - 120
Selenium	0.400	0.3935		mg/L		98	80 - 120
Thallium	0.100	0.08808		mg/L		88	80 - 120

Lab Sample ID: LCS 310-451247/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451983
Prep Batch: 451247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.100	0.1006		mg/L		101	80 - 120
Cobalt	0.100	0.1054		mg/L		105	80 - 120
Lithium	0.200	0.2126		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-451395/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451657
Prep Batch: 451395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		04/14/25 13:13	04/15/25 11:28	1

Lab Sample ID: LCS 310-451395/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451657
Prep Batch: 451395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001711		mg/L		103	80 - 120

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

Lab Sample ID: MB 310-452087/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 452087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0490		0.100	0.0490	mg/L			04/18/25 10:26	1

Lab Sample ID: LCS 310-452087/6
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 452087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	1.919		mg/L		96	90 - 110

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-451681/45
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451681

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.80		5.00	1.80	mg/L			04/15/25 15:37	1

Lab Sample ID: LCS 310-451681/46
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451681

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.067		mg/L		91	85 - 115

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

Lab Sample ID: MB 310-451284/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 451284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<36.0		50.0	36.0	mg/L			04/10/25 20:38	1

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

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

Lab Sample ID: LCS 310-451284/2
Matrix: Water
Analysis Batch: 451284

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	988.0		mg/L		99	88 - 110

Metals

Prep Batch: 451247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	3005A	
310-303760-2	MW13	Total/NA	Water	3005A	
MB 310-451247/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-451247/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 451395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	7470A	
310-303760-2	MW13	Total/NA	Water	7470A	
MB 310-451395/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-451395/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 451657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	7470A	451395
310-303760-2	MW13	Total/NA	Water	7470A	451395
MB 310-451395/1-A	Method Blank	Total/NA	Water	7470A	451395
LCS 310-451395/2-A	Lab Control Sample	Total/NA	Water	7470A	451395

Analysis Batch: 451718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	6020B	451247
310-303760-2	MW13	Total/NA	Water	6020B	451247
MB 310-451247/1-A	Method Blank	Total/NA	Water	6020B	451247
LCS 310-451247/2-A	Lab Control Sample	Total/NA	Water	6020B	451247

Analysis Batch: 451983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	6020B	451247
310-303760-2	MW13	Total/NA	Water	6020B	451247
MB 310-451247/1-A	Method Blank	Total/NA	Water	6020B	451247
LCS 310-451247/2-A	Lab Control Sample	Total/NA	Water	6020B	451247

General Chemistry

Analysis Batch: 451284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	SM 2540C	
310-303760-2	MW13	Total/NA	Water	SM 2540C	
MB 310-451284/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-451284/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 451567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	SM 4500 Cl- E	
310-303760-2	MW13	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 451681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	D516-16	
310-303760-2	MW13	Total/NA	Water	D516-16	

General Chemistry (Continued)

Analysis Batch: 451681 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-451681/45	Method Blank	Total/NA	Water	D516-16	
LCS 310-451681/46	Lab Control Sample	Total/NA	Water	D516-16	

Analysis Batch: 452087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	4500 F C-2011	
310-303760-2	MW13	Total/NA	Water	4500 F C-2011	
MB 310-452087/5	Method Blank	Total/NA	Water	4500 F C-2011	
LCS 310-452087/6	Lab Control Sample	Total/NA	Water	4500 F C-2011	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: NC2MW4
Lab Sample ID: 310-303760-1

Date Collected: 04/07/25 11:21
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 17:19
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:48
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 12:17
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 11:28
Total/NA	Analysis	D516-16		5	451681	ENB7	EET CF	04/15/25 15:38
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 18:03

Client Sample ID: MW13
Lab Sample ID: 310-303760-2

Date Collected: 04/07/25 10:46
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451718	NFT2	EET CF	04/15/25 17:21
Total/NA	Prep	3005A			451247	QTZ5	EET CF	04/11/25 09:00
Total/NA	Analysis	6020B		1	451983	NFT2	EET CF	04/17/25 15:50
Total/NA	Prep	7470A			451395	F5MW	EET CF	04/14/25 13:13
Total/NA	Analysis	7470A		1	451657	F5MW	EET CF	04/15/25 12:19
Total/NA	Analysis	4500 F C-2011		1	452087	WZC8	EET CF	04/18/25 11:37
Total/NA	Analysis	D516-16		5	451681	ENB7	EET CF	04/15/25 15:40
Total/NA	Analysis	SM 2540C		1	451284	XJ7V	EET CF	04/10/25 20:38
Total/NA	Analysis	SM 4500 Cl- E		1	451567	ENB7	EET CF	04/14/25 18:03

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
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

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

Method Summary

Client: Omaha Public Power District
Job ID: 310-303760-1
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

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

eurofins | Environment Testing America

310-303760 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: PPD

City/State: Omaha | STATE: NE | Project:

Receipt Information

Date/Time Received: DATE: 4/9/25 | TIME: 1715 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 1 of 2
Cooler Custody Seals Present? No	☐ Yes	☐ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.2 | Corrected Temp (°C): 1.2

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received. DATE 4/9/25 TIME 1915 | Received By IR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 2

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): +0.0

• Temp Blank Temperature – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C): 0.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes Shawn M	Carrier Tracking No(s):	COC No:
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn hayes@testamericainc.com		Page:
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State Zip: NE, 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 1 & 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 1 & 2	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M Hexane
B NaOH	N - None
C - Zn Acetate	O AsNaO2
D Nitric Acid	P Na2O4S
E - NaHSO4	Q Na2SO3
F MeOH	R - Na2S2SO3
G - Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U - Acetone
J DI Water	V MCAA
K EDTA	W - ph 4-5
L EDA	Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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	Total Number of containers	Special Instructions/Note
			Preservation Code:				D	D	N		
NC2MW4	4/7/25	11:21	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
MW13	4/7/25	10:46	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kyle K. Uhing	4/8/2025 16:50	OPPD		4-9-25 0700	
2	Relinquished by:	Date/Time: 4-9-25 0800	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time: 4/9/25 1705	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303760-1

SDG Number:

Login Number: 303760

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.

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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 5/13/2025 11:13:48 AM

JOB DESCRIPTION

Nebraska City Unit 1 & 2 CCR / Landfill

JOB NUMBER

310-303760-2

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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
5/13/2025 11:13:48 AM

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

Table of Contents

Job ID: 310-303760-2 — Eurofins Cedar Falls

Job Narrative
310-303760-2

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 4/9/2025 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.1°C and 1.2°C.

Gas Flow Proportional Counter
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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-303760-1	NC2MW4	Water	04/07/25 11:21	04/09/25 17:15
310-303760-2	MW13	Water	04/07/25 10:46	04/09/25 17:15

Detection Summary

Client: Omaha Public Power District
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: NC2MW4
Lab Sample ID: 310-303760-1

No Detections.

Client Sample ID: MW13
Lab Sample ID: 310-303760-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: NC2MW4
Lab Sample ID: 310-303760-1

Date Collected: 04/07/25 11:21
Matrix: Water
Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.720		0.424	0.429	1.00	0.574	pCi/L	04/16/25 07:53	05/12/25 16:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:31*	*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	1.19		0.574	0.584	1.00	0.773	pCi/L	04/16/25 12:24	05/12/25 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:12*	*1*
Y Carrier	*78.9*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:12*	*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	1.91		0.714	0.725	5.00	0.773	pCi/L		05/12/25 11:26	1

Client Sample Results

Client: Omaha Public Power District
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: MW13
Lab Sample ID: 310-303760-2
Date Collected: 04/07/25 10:46
Matrix: Water
Date Received: 04/09/25 17:15

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.233	U	0.203	0.205	1.00	0.303	pCi/L	04/16/25 07:53	05/12/25 16:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:31*	*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	**0.657**		0.350	0.356	1.00	0.484	pCi/L	04/16/25 12:24	05/12/25 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:12*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:12*	*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	**0.890**		0.405	0.411	5.00	0.484	pCi/L		05/12/25 11:26	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Qualifiers

Rad

Qualifier	Qualifier Description
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

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-712641/1-A
Matrix: Water
Analysis Batch: 717159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712641

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1151	U	0.202	0.203	1.00	0.356	pCi/L	04/16/25 07:53	05/12/25 16:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*04/16/25 07:53*	*05/12/25 16:27*	*1*

Lab Sample ID: LCS 160-712641/2-A
Matrix: Water
Analysis Batch: 717159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712641

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.099		1.14	1.00	0.342	pCi/L	85	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-712802/1-A
Matrix: Water
Analysis Batch: 717159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712802

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2283	U	0.402	0.403	1.00	0.689	pCi/L	04/16/25 12:24	05/12/25 14:16	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:16*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/16/25 12:24*	*05/12/25 14:16*	*1*

Lab Sample ID: LCS 160-712802/2-A
Matrix: Water
Analysis Batch: 717159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712802

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.45	11.75		1.55	1.00	0.568	pCi/L	124	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*
Y Carrier	*77.0*		*30 - 110*

QC Association Summary

Client: Omaha Public Power District
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Rad

Prep Batch: 712641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	PrecSep-21	
310-303760-2	MW13	Total/NA	Water	PrecSep-21	
MB 160-712641/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-712641/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 712802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-303760-1	NC2MW4	Total/NA	Water	PrecSep_0	
310-303760-2	MW13	Total/NA	Water	PrecSep_0	
MB 160-712802/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-712802/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Client Sample ID: NC2MW4
Lab Sample ID: 310-303760-1

Date Collected: 04/07/25 11:21
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712641	OGC	EET SL	04/16/25 07:53
Total/NA	Analysis	9315		1	717156	CMM	EET SL	05/12/25 16:31
Total/NA	Prep	PrecSep_0			712802	OGC	EET SL	04/16/25 12:24
Total/NA	Analysis	9320		1	717147	SCB	EET SL	05/12/25 14:12
Total/NA	Analysis	Ra226_Ra228		1	717158	FLC	EET SL	05/12/25 11:26

Client Sample ID: MW13
Lab Sample ID: 310-303760-2

Date Collected: 04/07/25 10:46
Matrix: Water
Date Received: 04/09/25 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			712641	OGC	EET SL	04/16/25 07:53
Total/NA	Analysis	9315		1	717156	CMM	EET SL	05/12/25 16:31
Total/NA	Prep	PrecSep_0			712802	OGC	EET SL	04/16/25 12:24
Total/NA	Analysis	9320		1	717147	SCB	EET SL	05/12/25 14:12
Total/NA	Analysis	Ra226_Ra228		1	717158	FLC	EET SL	05/12/25 11:26

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
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

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	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
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

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

eurofins | Environment Testing America

310-303760 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: PPD

City/State: Omaha | STATE: NE | Project:

Receipt Information

Date/Time Received: DATE: 4/9/25 | TIME: 1715 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 1 of 2
Cooler Custody Seals Present? No	☐ Yes	☐ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.2 | Corrected Temp (°C): 1.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: SCS

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received. DATE 4/9/25 TIME 1915 | Received By IR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 2

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): +0.0

• Temp Blank Temperature – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 0.1 | Corrected Temp (°C): 0.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes Shawn M	Carrier Tracking No(s):	COC No:
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn hayes@testamericainc.com		Page:
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State Zip: NE, 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 1 & 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 1 & 2	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M Hexane
B NaOH	N - None
C - Zn Acetate	O AsNaO2
D Nitric Acid	P Na2O4S
E - NaHSO4	Q Na2SO3
F MeOH	R - Na2S2SO3
G - Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U - Acetone
J DI Water	V MCAA
K EDTA	W - ph 4-5
L EDA	Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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	Total Number of containers	Special Instructions/Note
			Preservation Code:				D	D	N		
NC2MW4	4/7/25	11:21	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
MW13	4/7/25	10:46	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kyle K. Uhing	4/8/2025 16:50	OPPD		4-9-25 0700	
2	Relinquished by:	Date/Time: 4-9-25 0800	Company	Received by	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time: 4/9/25 1705	Company

Custody Seals Intact: Δ Yes Δ 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

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Michels, Bob C	Carrier Tracking No(s): N/A	COC No: 310-81943.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Bob.Michels@et.eurofinsus.com	State of Origin: Nebraska	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 310-303760-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/13/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Nebraska City Unit 1 & 2 CCR / Landfill	Project #: 31007559			
Site: 310 OPPD Nebraska City Unit 2	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

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=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Radium-226 (GFPC) - 21 day decay	9320_Ra228/PrecSep_0 Radium-228 (GFPC)	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
NC2MW4 (310-303760-1)	4/7/25	11:21 Central	G	Water			X	X	X	2	
MW13 (310-303760-2)	4/7/25	10:46 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment 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 Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/6/25 1300		[signature]	0820 APR 14 2025	
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

5/13/2025

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303760-2
SDG Number:

Login Number: 303760
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.

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-303760-2
SDG Number:

Login Number: 303760
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 04/14/25 10:53 AM

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
Job ID: 310-303760-2
Project/Site: Nebraska City Unit 1 & 2 CCR / Landfill

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)							
		Ba							
Lab Sample ID	Client Sample ID	(30-110)							
310-303760-1	NC2MW4	84.1							
310-303760-2	MW13	97.5							
LCS 160-712641/2-A	Lab Control Sample	90.9							
MB 160-712641/1-A	Method Blank	88.1							

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)							
		Ba	Y						
Lab Sample ID	Client Sample ID	(30-110)	(30-110)						
310-303760-1	NC2MW4	84.1	78.9						
310-303760-2	MW13	97.5	79.3						
LCS 160-712802/2-A	Lab Control Sample	90.9	77.0						
MB 160-712802/1-A	Method Blank	88.1	75.5						

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

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

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 10/22/2025 10:47:06 AM

JOB DESCRIPTION

Nebraska City Unit 2 CCR/Landfill

JOB NUMBER

310-317518-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

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
10/22/2025 10:47:06 AM

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

Table of Contents

Job Narrative
310-317518-1

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

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

Receipt
The samples were received on 10/8/2025 4:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

Metals
Method 6020B: The method blank for preparation batch 310-469898 contained chromium above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-317518-1	NC2MW2	Water	10/07/25 12:32	10/08/25 16:51	Nebraska
310-317518-2	NC2MW3	Water	10/06/25 17:17	10/08/25 16:51	Nebraska
310-317518-3	NC2MW5	Water	10/06/25 15:11	10/08/25 16:51	Nebraska
310-317518-4	NC2MW6	Water	10/06/25 16:04	10/08/25 16:51	Nebraska
310-317518-5	NC2MW7	Water	10/07/25 13:33	10/08/25 16:51	Nebraska
310-317518-6	NC2MW8	Water	10/07/25 11:51	10/08/25 16:51	Nebraska
310-317518-7	DUP2	Water	10/07/25 00:00	10/08/25 16:51	Nebraska

Detection Summary

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2 — Lab Sample ID: 310-317518-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00682		0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.000993	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0694		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	1.32		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000111	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	281		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000181	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000455	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0354		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0130		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.267		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	475		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	1190		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	17.6		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW3 — Lab Sample ID: 310-317518-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00143	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0584		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.466		0.100	0.0820	mg/L	1		6020B	Total/NA
Cadmium	0.000108	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Calcium	149		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000396	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0165		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00349		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00890		0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	1.87		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	344		50.0	18.0	mg/L	10		D516-16	Total/NA
Total Dissolved Solids	1300		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	11.4		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW5 — Lab Sample ID: 310-317518-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00216		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0544		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	3.64		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	188		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000217	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0147		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0287		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00301	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.492		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	260		100	36.0	mg/L	20		D516-16	Total/NA
Total Dissolved Solids	882		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	15.2		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW6 — Lab Sample ID: 310-317518-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00174	J	0.00200	0.00100	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Omaha Public Power District
Project/Site: Nebraska City Unit 2 CCR/Landfill

Job ID: 310-317518-1

Client Sample ID: NC2MW6 (Continued) — Lab Sample ID: 310-317518-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00108	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0966		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	4.43		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	135		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000232	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000658		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0210		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.0335		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00205	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.178		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	192		50.0	18.0	mg/L	10		D516-16	Total/NA
Total Dissolved Solids	618		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.02	F1	2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW7 — Lab Sample ID: 310-317518-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0482		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.555		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.232		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	116		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000256	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000456	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0593		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00220		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.330		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	10.9		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	498		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	10.7		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: NC2MW8 — Lab Sample ID: 310-317518-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00513		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.418		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.227		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	116		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.00132		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0346		0.0100	0.00290	mg/L	1		6020B	Total/NA
Selenium	0.00182	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.360		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	148		25.0	9.00	mg/L	5		D516-16	Total/NA
Total Dissolved Solids	508		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	9.72		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: DUP2 — Lab Sample ID: 310-317518-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0477		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.539		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.191		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	111		0.500	0.190	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP2 (Continued)

Lab Sample ID: 310-317518-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000234	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lithium	0.0573		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00203		0.00200	0.00130	mg/L	1		6020B	Total/NA
Fluoride	0.333		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	11.8		5.00	1.80	mg/L	1		D516-16	Total/NA
Total Dissolved Solids	488		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

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2
Lab Sample ID: 310-317518-1

Date Collected: 10/07/25 12:32
Matrix: Water

Date Received: 10/08/25 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00682		0.00200	0.00100	mg/L		10/14/25 08:30	10/18/25 19:14	1
Arsenic	0.000993	J	0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:14	1
Barium	0.0694		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:14	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:14	1
Boron	1.32		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:14	1
Cadmium	0.000111	J	0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:14	1
Calcium	281		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:14	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:14	1
Cobalt	0.000181	J	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:06	1
Lead	0.000455	J	0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:14	1
Lithium	0.0354		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:14	1
Molybdenum	0.0130		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:14	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:14	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:14	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		10/20/25 13:00	10/21/25 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.267		0.100	0.0490	mg/L			10/17/25 22:07	1
Sulfate (ASTM D516-16)	475		100	36.0	mg/L			10/10/25 14:21	20
Total Dissolved Solids (SM 2540C)	1190		50.0	36.0	mg/L			10/13/25 15:55	1
Chloride (SM 4500 Cl- E)	17.6		2.00	1.40	mg/L			10/11/25 13:28	1

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW3
Lab Sample ID: 310-317518-2
Date Collected: 10/06/25 17:17
Matrix: Water
Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:17	1
Arsenic	**0.00143**	**J**	0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:17	1
Barium	**0.0584**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:17	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:17	1
Boron	**0.466**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:17	1
Cadmium	**0.000108**	**J**	0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:17	1
Calcium	**149**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:17	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:17	1
Cobalt	**0.000396**	**J**	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:09	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:17	1
Lithium	**0.0165**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:17	1
Molybdenum	**0.00349**		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:17	1
Selenium	**0.00890**		0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:17	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:17	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		10/20/25 13:00	10/21/25 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**1.87**		0.100	0.0490	mg/L			10/17/25 22:11	1
Sulfate (ASTM D516-16)	**344**		50.0	18.0	mg/L			10/10/25 14:22	10
Total Dissolved Solids (SM 2540C)	**1300**		50.0	36.0	mg/L			10/09/25 14:04	1
Chloride (SM 4500 Cl- E)	**11.4**		2.00	1.40	mg/L			10/11/25 13:28	1

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW5
Lab Sample ID: 310-317518-3
Date Collected: 10/06/25 15:11
Matrix: Water
Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:20	1
Arsenic	**0.00216**		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:20	1
Barium	**0.0544**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:20	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:20	1
Boron	**3.64**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:20	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:20	1
Calcium	**188**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:20	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:20	1
Cobalt	**0.000217**	**J**	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:11	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:20	1
Lithium	**0.0147**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:20	1
Molybdenum	**0.0287**		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:20	1
Selenium	**0.00301**	**J**	0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:20	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:20	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		10/20/25 13:00	10/21/25 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.492**		0.100	0.0490	mg/L			10/17/25 22:15	1
Sulfate (ASTM D516-16)	**260**		100	36.0	mg/L			10/10/25 14:23	20
Total Dissolved Solids (SM 2540C)	**882**		50.0	36.0	mg/L			10/09/25 14:04	1
Chloride (SM 4500 Cl- E)	**15.2**		2.00	1.40	mg/L			10/11/25 13:28	1

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW6
Lab Sample ID: 310-317518-4
Date Collected: 10/06/25 16:04
Matrix: Water
Date Received: 10/08/25 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00174	J	0.00200	0.00100	mg/L		10/14/25 08:30	10/18/25 19:29	1
Arsenic	0.00108	J	0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:29	1
Barium	0.0966		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:29	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:29	1
Boron	4.43		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:29	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:29	1
Calcium	135		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:29	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:29	1
Cobalt	0.000232	J	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:14	1
Lead	0.000658		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:29	1
Lithium	0.0210		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:29	1
Molybdenum	0.0335		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:29	1
Selenium	0.00205	J	0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:29	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:29	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		10/20/25 13:00	10/21/25 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	0.178		0.100	0.0490	mg/L			10/17/25 22:18	1
Sulfate (ASTM D516-16)	192		50.0	18.0	mg/L			10/10/25 14:43	10
Total Dissolved Solids (SM 2540C)	618		50.0	36.0	mg/L			10/09/25 14:04	1
Chloride (SM 4500 Cl- E)	3.02	F1	2.00	1.40	mg/L			10/11/25 14:44	1

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW7
Lab Sample ID: 310-317518-5
Date Collected: 10/07/25 13:33
Matrix: Water
Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:32	1
Arsenic	**0.0482**		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:32	1
Barium	**0.555**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:32	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:32	1
Boron	**0.232**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:32	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:32	1
Calcium	**116**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:32	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:32	1
Cobalt	**0.000256**	**J**	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:16	1
Lead	**0.000456**	**J**	0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:32	1
Lithium	**0.0593**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:32	1
Molybdenum	**0.00220**		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:32	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:32	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:32	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		10/20/25 13:00	10/21/25 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.330**		0.100	0.0490	mg/L			10/17/25 20:43	1
Sulfate (ASTM D516-16)	**10.9**		5.00	1.80	mg/L			10/10/25 14:43	1
Total Dissolved Solids (SM 2540C)	**498**		50.0	36.0	mg/L			10/13/25 15:55	1
Chloride (SM 4500 Cl- E)	**10.7**		2.00	1.40	mg/L			10/11/25 14:45	1

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW8
Lab Sample ID: 310-317518-6
Date Collected: 10/07/25 11:51
Matrix: Water
Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:34	1
Arsenic	**0.00513**		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:34	1
Barium	**0.418**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:34	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:34	1
Boron	**0.227**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:34	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:34	1
Calcium	**116**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:34	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:34	1
Cobalt	**0.00132**		0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:19	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:34	1
Lithium	**0.0346**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:34	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:34	1
Selenium	**0.00182**	**J**	0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:34	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:34	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		10/20/25 13:00	10/21/25 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.360**		0.100	0.0490	mg/L			10/17/25 20:46	1
Sulfate (ASTM D516-16)	**148**		25.0	9.00	mg/L			10/10/25 14:16	5
Total Dissolved Solids (SM 2540C)	**508**		50.0	36.0	mg/L			10/10/25 14:25	1
Chloride (SM 4500 Cl- E)	**9.72**		2.00	1.40	mg/L			10/11/25 14:46	1

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: DUP2
Lab Sample ID: 310-317518-7
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:37	1
Arsenic	**0.0477**		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:37	1
Barium	**0.539**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:37	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:37	1
Boron	**0.191**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:37	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:37	1
Calcium	**111**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:37	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:37	1
Cobalt	**0.000234**	**J**	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:21	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:37	1
Lithium	**0.0573**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:37	1
Molybdenum	**0.00203**		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:37	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:37	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:37	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		10/20/25 13:00	10/21/25 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.333**		0.100	0.0490	mg/L			10/17/25 20:49	1
Sulfate (ASTM D516-16)	**11.8**		5.00	1.80	mg/L			10/10/25 13:11	1
Total Dissolved Solids (SM 2540C)	**488**		50.0	36.0	mg/L			10/10/25 14:25	1
Chloride (SM 4500 Cl- E)	**11.1**		2.00	1.40	mg/L			10/11/25 14:46	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-469898/1-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/14/25 08:30	10/18/25 18:43	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 18:43	1
Barium	<0.000660		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 18:43	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 18:43	1
Boron	<0.0820		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 18:43	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 18:43	1
Calcium	<0.190		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 18:43	1
Chromium	0.04173		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 18:43	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 18:43	1
Lithium	<0.00290		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 18:43	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 18:43	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 18:43	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 18:43	1

Lab Sample ID: LCS 310-469898/2-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1884		mg/L		94	80 - 120
Arsenic	0.200	0.1687		mg/L		84	80 - 120
Barium	0.100	0.08625		mg/L		86	80 - 120
Beryllium	0.100	0.08510		mg/L		85	80 - 120
Boron	0.200	0.1980		mg/L		99	80 - 120
Cadmium	0.100	0.08709		mg/L		87	80 - 120
Calcium	2.00	1.729		mg/L		86	80 - 120
Chromium	0.100	0.08727		mg/L		87	80 - 120
Lead	0.200	0.1839		mg/L		92	80 - 120
Lithium	0.200	0.1794		mg/L		90	80 - 120
Molybdenum	0.200	0.1734		mg/L		87	80 - 120
Selenium	0.400	0.3525		mg/L		88	80 - 120
Thallium	0.100	0.09414		mg/L		94	80 - 120

Lab Sample ID: 310-317518-7 DU
Matrix: Water
Analysis Batch: 470580

Client Sample ID: DUP2
Prep Type: Total/NA
Prep Batch: 469898

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.0477		0.04828		mg/L		1	20
Barium	0.539		0.5421		mg/L		0.5	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Boron	0.191		0.1878		mg/L		2	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Calcium	111		114.0		mg/L		2	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Lead	<0.000330		0.0006390		mg/L		NC	20
Lithium	0.0573		0.05755		mg/L		0.4	20
Molybdenum	0.00203		0.002026		mg/L		0.3	20

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

Lab Sample ID: 310-317518-7 DU
Matrix: Water
Analysis Batch: 470580

Client Sample ID: DUP2
Prep Type: Total/NA
Prep Batch: 469898

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Selenium	<0.00140		<0.00140		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20

Lab Sample ID: 310-317518-7 DU
Matrix: Water
Analysis Batch: 470761

Client Sample ID: DUP2
Prep Type: Total/NA
Prep Batch: 469898

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.0499		0.05068		mg/L		2	20
Barium	0.506		0.5175		mg/L		2	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Boron	0.206		0.1951		mg/L		5	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Calcium	103		104.6		mg/L		2	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.000234	J	0.0002240	J	mg/L		4	20
Lead	<0.000330		0.0006250		mg/L		NC	20
Lithium	0.0591		0.06010		mg/L		2	20
Molybdenum	0.00209	B	0.002140		mg/L		2	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-470618/1-A
Matrix: Water
Analysis Batch: 470872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 470618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/20/25 13:00	10/21/25 12:31	1

Lab Sample ID: LCS 310-470618/2-A
Matrix: Water
Analysis Batch: 470872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 470618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001664		mg/L		100	80 - 120

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

Lab Sample ID: MB 310-470529/33
Matrix: Water
Analysis Batch: 470529

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			10/17/25 21:33	1

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

Lab Sample ID: MB 310-470529/5
Matrix: Water
Analysis Batch: 470529

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			10/17/25 20:05	1

Lab Sample ID: LCS 310-470529/34
Matrix: Water
Analysis Batch: 470529

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	1.894		mg/L		95	90 - 110

Lab Sample ID: LCS 310-470529/6
Matrix: Water
Analysis Batch: 470529

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	1.992		mg/L		100	90 - 110

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-469699/6
Matrix: Water
Analysis Batch: 469699

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			10/10/25 13:03	1

Lab Sample ID: LCS 310-469699/7
Matrix: Water
Analysis Batch: 469699

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	8.485		mg/L		85	85 - 115

Lab Sample ID: MB 310-469717/16
Matrix: Water
Analysis Batch: 469717

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			10/10/25 14:13	1

Lab Sample ID: MB 310-469717/27
Matrix: Water
Analysis Batch: 469717

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			10/10/25 14:18	1

Method: D516-16 - Sulfate (Continued)

Lab Sample ID: LCS 310-469717/17
Matrix: Water
Analysis Batch: 469717

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	8.487		mg/L		85	85 - 115

Lab Sample ID: LCS 310-469717/74
Matrix: Water
Analysis Batch: 469717

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	9.457		mg/L		95	85 - 115

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

Lab Sample ID: MB 310-469527/1
Matrix: Water
Analysis Batch: 469527

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			10/09/25 14:04	1

Lab Sample ID: LCS 310-469527/2
Matrix: Water
Analysis Batch: 469527

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	1022		mg/L		102	89 - 110

Lab Sample ID: MB 310-469703/1
Matrix: Water
Analysis Batch: 469703

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			10/10/25 14:25	1

Lab Sample ID: LCS 310-469703/2
Matrix: Water
Analysis Batch: 469703

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	1040		mg/L		104	89 - 110

Lab Sample ID: MB 310-469911/1
Matrix: Water
Analysis Batch: 469911

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			10/13/25 15:55	1

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

Lab Sample ID: LCS 310-469911/2
Matrix: Water
Analysis Batch: 469911

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

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

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-469775/46
Matrix: Water
Analysis Batch: 469775

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			10/11/25 13:22	1

Lab Sample ID: MB 310-469775/82
Matrix: Water
Analysis Batch: 469775

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			10/11/25 14:43	1

Lab Sample ID: LCS 310-469775/47
Matrix: Water
Analysis Batch: 469775

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	10.32		mg/L		103	90 - 110

Lab Sample ID: LCS 310-469775/83
Matrix: Water
Analysis Batch: 469775

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	10.60		mg/L		106	90 - 110

Lab Sample ID: 310-317518-4 MS
Matrix: Water
Analysis Batch: 469775

Client Sample ID: NC2MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.02	F1	10.0	15.16	F1	mg/L		121	26 - 120

Lab Sample ID: 310-317518-4 MSD
Matrix: Water
Analysis Batch: 469775

Client Sample ID: NC2MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.02	F1	10.0	13.41		mg/L			-		

Metals

Prep Batch: 469898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	3005A	
310-317518-2	NC2MW3	Total/NA	Water	3005A	
310-317518-3	NC2MW5	Total/NA	Water	3005A	
310-317518-4	NC2MW6	Total/NA	Water	3005A	
310-317518-5	NC2MW7	Total/NA	Water	3005A	
310-317518-6	NC2MW8	Total/NA	Water	3005A	
310-317518-7	DUP2	Total/NA	Water	3005A	
MB 310-469898/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-469898/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-317518-7 DU	DUP2	Total/NA	Water	3005A	

Analysis Batch: 470580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	6020B	469898
310-317518-2	NC2MW3	Total/NA	Water	6020B	469898
310-317518-3	NC2MW5	Total/NA	Water	6020B	469898
310-317518-4	NC2MW6	Total/NA	Water	6020B	469898
310-317518-5	NC2MW7	Total/NA	Water	6020B	469898
310-317518-6	NC2MW8	Total/NA	Water	6020B	469898
310-317518-7	DUP2	Total/NA	Water	6020B	469898
MB 310-469898/1-A	Method Blank	Total/NA	Water	6020B	469898
LCS 310-469898/2-A	Lab Control Sample	Total/NA	Water	6020B	469898
310-317518-7 DU	DUP2	Total/NA	Water	6020B	469898

Prep Batch: 470618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	7470A	
310-317518-2	NC2MW3	Total/NA	Water	7470A	
310-317518-3	NC2MW5	Total/NA	Water	7470A	
310-317518-4	NC2MW6	Total/NA	Water	7470A	
310-317518-5	NC2MW7	Total/NA	Water	7470A	
310-317518-6	NC2MW8	Total/NA	Water	7470A	
310-317518-7	DUP2	Total/NA	Water	7470A	
MB 310-470618/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-470618/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 470761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	6020B	469898
310-317518-2	NC2MW3	Total/NA	Water	6020B	469898
310-317518-3	NC2MW5	Total/NA	Water	6020B	469898
310-317518-4	NC2MW6	Total/NA	Water	6020B	469898
310-317518-5	NC2MW7	Total/NA	Water	6020B	469898
310-317518-6	NC2MW8	Total/NA	Water	6020B	469898
310-317518-7	DUP2	Total/NA	Water	6020B	469898
310-317518-7 DU	DUP2	Total/NA	Water	6020B	469898

Analysis Batch: 470872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	7470A	470618
310-317518-2	NC2MW3	Total/NA	Water	7470A	470618

Metals (Continued)

Analysis Batch: 470872 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-3	NC2MW5	Total/NA	Water	7470A	470618
310-317518-4	NC2MW6	Total/NA	Water	7470A	470618
310-317518-5	NC2MW7	Total/NA	Water	7470A	470618
310-317518-6	NC2MW8	Total/NA	Water	7470A	470618
310-317518-7	DUP2	Total/NA	Water	7470A	470618
MB 310-470618/1-A	Method Blank	Total/NA	Water	7470A	470618
LCS 310-470618/2-A	Lab Control Sample	Total/NA	Water	7470A	470618

General Chemistry

Analysis Batch: 469527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-2	NC2MW3	Total/NA	Water	SM 2540C	
310-317518-3	NC2MW5	Total/NA	Water	SM 2540C	
310-317518-4	NC2MW6	Total/NA	Water	SM 2540C	
MB 310-469527/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-469527/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 469699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-7	DUP2	Total/NA	Water	D516-16	
MB 310-469699/6	Method Blank	Total/NA	Water	D516-16	
LCS 310-469699/7	Lab Control Sample	Total/NA	Water	D516-16	

Analysis Batch: 469703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-6	NC2MW8	Total/NA	Water	SM 2540C	
310-317518-7	DUP2	Total/NA	Water	SM 2540C	
MB 310-469703/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-469703/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 469717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	D516-16	
310-317518-2	NC2MW3	Total/NA	Water	D516-16	
310-317518-3	NC2MW5	Total/NA	Water	D516-16	
310-317518-4	NC2MW6	Total/NA	Water	D516-16	
310-317518-5	NC2MW7	Total/NA	Water	D516-16	
310-317518-6	NC2MW8	Total/NA	Water	D516-16	
MB 310-469717/16	Method Blank	Total/NA	Water	D516-16	
MB 310-469717/27	Method Blank	Total/NA	Water	D516-16	
LCS 310-469717/17	Lab Control Sample	Total/NA	Water	D516-16	
LCS 310-469717/74	Lab Control Sample	Total/NA	Water	D516-16	

Analysis Batch: 469775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	SM 4500 Cl- E	
310-317518-2	NC2MW3	Total/NA	Water	SM 4500 Cl- E	
310-317518-3	NC2MW5	Total/NA	Water	SM 4500 Cl- E	
310-317518-4	NC2MW6	Total/NA	Water	SM 4500 Cl- E	
310-317518-5	NC2MW7	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 469775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-6	NC2MW8	Total/NA	Water	SM 4500 Cl- E	
310-317518-7	DUP2	Total/NA	Water	SM 4500 Cl- E	
MB 310-469775/46	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 310-469775/82	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-469775/47	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 310-469775/83	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
310-317518-4 MS	NC2MW6	Total/NA	Water	SM 4500 Cl- E	
310-317518-4 MSD	NC2MW6	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 469911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	SM 2540C	
310-317518-5	NC2MW7	Total/NA	Water	SM 2540C	
MB 310-469911/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-469911/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 470529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	4500 F C-2011	
310-317518-2	NC2MW3	Total/NA	Water	4500 F C-2011	
310-317518-3	NC2MW5	Total/NA	Water	4500 F C-2011	
310-317518-4	NC2MW6	Total/NA	Water	4500 F C-2011	
310-317518-5	NC2MW7	Total/NA	Water	4500 F C-2011	
310-317518-6	NC2MW8	Total/NA	Water	4500 F C-2011	
310-317518-7	DUP2	Total/NA	Water	4500 F C-2011	
MB 310-470529/33	Method Blank	Total/NA	Water	4500 F C-2011	
MB 310-470529/5	Method Blank	Total/NA	Water	4500 F C-2011	
LCS 310-470529/34	Lab Control Sample	Total/NA	Water	4500 F C-2011	
LCS 310-470529/6	Lab Control Sample	Total/NA	Water	4500 F C-2011	

Client Sample ID: NC2MW2
Lab Sample ID: 310-317518-1

Date Collected: 10/07/25 12:32
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:06
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:14
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 12:52
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 22:07
Total/NA	Analysis	D516-16		20	469717	WZC8	EET CF	10/10/25 14:21
Total/NA	Analysis	SM 2540C		1	469911	ENB7	EET CF	10/13/25 15:55
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 13:28

Client Sample ID: NC2MW3
Lab Sample ID: 310-317518-2

Date Collected: 10/06/25 17:17
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:09
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:17
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 12:54
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 22:11
Total/NA	Analysis	D516-16		10	469717	WZC8	EET CF	10/10/25 14:22
Total/NA	Analysis	SM 2540C		1	469527	TGN5	EET CF	10/09/25 14:04
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 13:28

Client Sample ID: NC2MW5
Lab Sample ID: 310-317518-3

Date Collected: 10/06/25 15:11
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:11
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:20
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 12:56
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 22:15
Total/NA	Analysis	D516-16		20	469717	WZC8	EET CF	10/10/25 14:23
Total/NA	Analysis	SM 2540C		1	469527	TGN5	EET CF	10/09/25 14:04
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 13:28

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW6
Lab Sample ID: 310-317518-4

Date Collected: 10/06/25 16:04
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:14
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:29
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 12:58
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 22:18
Total/NA	Analysis	D516-16		10	469717	WZC8	EET CF	10/10/25 14:43
Total/NA	Analysis	SM 2540C		1	469527	TGN5	EET CF	10/09/25 14:04
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 14:44

Client Sample ID: NC2MW7
Lab Sample ID: 310-317518-5

Date Collected: 10/07/25 13:33
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:16
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:32
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 13:00
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 20:43
Total/NA	Analysis	D516-16		1	469717	WZC8	EET CF	10/10/25 14:43
Total/NA	Analysis	SM 2540C		1	469911	ENB7	EET CF	10/13/25 15:55
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 14:45

Client Sample ID: NC2MW8
Lab Sample ID: 310-317518-6

Date Collected: 10/07/25 11:51
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:19
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:34
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 13:03
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 20:46
Total/NA	Analysis	D516-16		5	469717	WZC8	EET CF	10/10/25 14:16
Total/NA	Analysis	SM 2540C		1	469703	TGN5	EET CF	10/10/25 14:25
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 14:46

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: DUP2
Lab Sample ID: 310-317518-7
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:21
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:37
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 13:05
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 20:49
Total/NA	Analysis	D516-16		1	469699	WZC8	EET CF	10/10/25 13:11
Total/NA	Analysis	SM 2540C		1	469703	TGN5	EET CF	10/10/25 14:25
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 14:46

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
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

Method Summary

Client: Omaha Public Power District
Job ID: 310-317518-1
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

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310-317518 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client. Omaha Public Power

City/State: CITY | STATE NE | Project.

Receipt Information

Date/Time Received. DATE 10-8-25 | TIME 1651 | Received By. PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes.* Cooler ID.

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: BB | Correction Factor (°C): 0

• Temp Blank Temperature – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C). 2.3 | Corrected Temp (°C): 2.3

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C)		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes, Shawn M	Carrier Tracking No(s): TestAmerica Omaha SC 268	COC No:
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn.hayes@testamericainc.com		Page:
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 2	SSOW#:			

Analysis Requested

Preservation Codes.

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
NC2MW2	10/7/25	12:32	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW3	10/6/25	17:17	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW5	10/6/25	15:11	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW6	10/6/25	16:04	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW7	10/7/25	13:33	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW8	10/7/25	11:51	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
DUP2	10/7/25	—	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kyle K. Uhing	10/7/2025 17:49	OPPD		10-8-25 0700	
2		10-8-25 0800			10-8-25 1651	
3						

Custody Seals Intact: △ Yes △ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317518-1
SDG Number:

Login Number: 317518
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.

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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 11/12/2025 3:31:08 PM

JOB DESCRIPTION

Nebraska City Unit 2 CCR/Landfill

JOB NUMBER

310-317518-2

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

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
11/12/2025 3:31:08 PM

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

Table of Contents

Job Narrative
310-317518-2

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 10/8/2025 4:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

Gas Flow Proportional Counter
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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-317518-1	NC2MW2	Water	10/07/25 12:32	10/08/25 16:51	Nebraska
310-317518-2	NC2MW3	Water	10/06/25 17:17	10/08/25 16:51	Nebraska
310-317518-3	NC2MW5	Water	10/06/25 15:11	10/08/25 16:51	Nebraska
310-317518-4	NC2MW6	Water	10/06/25 16:04	10/08/25 16:51	Nebraska
310-317518-5	NC2MW7	Water	10/07/25 13:33	10/08/25 16:51	Nebraska
310-317518-6	NC2MW8	Water	10/07/25 11:51	10/08/25 16:51	Nebraska
310-317518-7	DUP2	Water	10/07/25 00:00	10/08/25 16:51	Nebraska

Detection Summary

Client: Omaha Public Power District
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2 **Lab Sample ID: 310-317518-1**

No Detections.

Client Sample ID: NC2MW3 **Lab Sample ID: 310-317518-2**

No Detections.

Client Sample ID: NC2MW5 **Lab Sample ID: 310-317518-3**

No Detections.

Client Sample ID: NC2MW6 **Lab Sample ID: 310-317518-4**

No Detections.

Client Sample ID: NC2MW7 **Lab Sample ID: 310-317518-5**

No Detections.

Client Sample ID: NC2MW8 **Lab Sample ID: 310-317518-6**

No Detections.

Client Sample ID: DUP2 **Lab Sample ID: 310-317518-7**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: NC2MW2
Lab Sample ID: 310-317518-1

Date Collected: 10/07/25 12:32
Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.646		0.290	0.296	1.00	0.335	pCi/L	10/15/25 08:10	11/11/25 17:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/15/25 08:10*	*11/11/25 17:34*	*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	1.36		0.453	0.470	1.00	0.534	pCi/L	10/15/25 08:12	11/11/25 13:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*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	2.00		0.538	0.555	5.00	0.534	pCi/L		11/11/25 12:37	1

Client Sample ID: NC2MW3
Lab Sample ID: 310-317518-2

Date Collected: 10/06/25 17:17
Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0987	U	0.244	0.244	1.00	0.438	pCi/L	10/15/25 08:10	11/11/25 17:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*10/15/25 08:10*	*11/11/25 17:34*	*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**		0.468	0.480	1.00	0.617	pCi/L	10/15/25 08:12	11/11/25 13:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*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**		0.528	0.538	5.00	0.617	pCi/L		11/12/25 13:24	1

Client Sample ID: NC2MW5
Lab Sample ID: 310-317518-3

Date Collected: 10/06/25 15:11
Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.214	U	0.244	0.245	1.00	0.396	pCi/L	10/15/25 08:10	11/11/25 17:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*10/15/25 08:10*	*11/11/25 17:34*	*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	**1.06**		0.492	0.502	1.00	0.670	pCi/L	10/15/25 08:12	11/11/25 13:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*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**		0.549	0.559	5.00	0.670	pCi/L		11/12/25 13:24	1

Client: Omaha Public Power District
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW6
Lab Sample ID: 310-317518-4
Date Collected: 10/06/25 16:04
Matrix: Water
Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.256	U	0.229	0.230	1.00	0.348	pCi/L	10/15/25 08:10	11/11/25 17:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/15/25 08:10*	*11/11/25 17:34*	*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	**1.41**		0.494	0.510	1.00	0.605	pCi/L	10/15/25 08:12	11/11/25 13:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*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**		0.544	0.559	5.00	0.605	pCi/L		11/12/25 13:24	1

Client Sample ID: NC2MW7
Lab Sample ID: 310-317518-5

Date Collected: 10/07/25 13:33
Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.301	U	0.232	0.234	1.00	0.338	pCi/L	10/15/25 08:10	11/11/25 19:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/15/25 08:10*	*11/11/25 19:28*	*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	**1.26**		0.481	0.495	1.00	0.616	pCi/L	10/15/25 08:12	11/11/25 13:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*1*
Y Carrier	*78.9*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:08*	*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	**1.56**		0.534	0.548	5.00	0.616	pCi/L		11/12/25 13:24	1

Client Sample ID: NC2MW8
Lab Sample ID: 310-317518-6

Date Collected: 10/07/25 11:51
Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0134	U	0.225	0.225	1.00	0.432	pCi/L	10/15/25 08:10	11/11/25 19:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*10/15/25 08:10*	*11/11/25 19:28*	*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	**0.787**		0.392	0.399	1.00	0.537	pCi/L	10/15/25 08:12	11/11/25 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*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	**0.800**		0.452	0.458	5.00	0.537	pCi/L		11/12/25 13:24	1

Client Sample ID: DUP2

Lab Sample ID: 310-317518-7

Date Collected: 10/07/25 00:00

Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.408		0.264	0.266	1.00	0.365	pCi/L	10/15/25 08:10	11/11/25 19:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/15/25 08:10*	*11/11/25 19:28*	*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	0.970		0.469	0.477	1.00	0.654	pCi/L	10/15/25 08:12	11/11/25 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*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	1.38		0.538	0.546	5.00	0.654	pCi/L		11/12/25 13:24	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Qualifiers

Rad

Qualifier	Qualifier Description
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

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-740728/1-A
Matrix: Water
Analysis Batch: 744806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740728

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1808	U	0.279	0.280	1.00	0.477	pCi/L	10/15/25 08:10	11/11/25 17:36	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*10/15/25 08:10*	*11/11/25 17:36*	*1*

Lab Sample ID: LCS 160-740728/2-A
Matrix: Water
Analysis Batch: 744806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740728

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.882		1.16	1.00	0.475	pCi/L	82	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.3*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-740729/1-A
Matrix: Water
Analysis Batch: 744801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740729

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2564	U	0.359	0.360	1.00	0.603	pCi/L	10/15/25 08:12	11/11/25 12:58	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 12:58*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/15/25 08:12*	*11/11/25 12:58*	*1*

Lab Sample ID: LCS 160-740729/2-A
Matrix: Water
Analysis Batch: 744801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740729

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.94	8.799		1.24	1.00	0.522	pCi/L	111	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.3*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

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Prep Batch: 740728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	PrecSep-21	
310-317518-2	NC2MW3	Total/NA	Water	PrecSep-21	
310-317518-3	NC2MW5	Total/NA	Water	PrecSep-21	
310-317518-4	NC2MW6	Total/NA	Water	PrecSep-21	
310-317518-5	NC2MW7	Total/NA	Water	PrecSep-21	
310-317518-6	NC2MW8	Total/NA	Water	PrecSep-21	
310-317518-7	DUP2	Total/NA	Water	PrecSep-21	
MB 160-740728/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-740728/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 740729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317518-1	NC2MW2	Total/NA	Water	PrecSep_0	
310-317518-2	NC2MW3	Total/NA	Water	PrecSep_0	
310-317518-3	NC2MW5	Total/NA	Water	PrecSep_0	
310-317518-4	NC2MW6	Total/NA	Water	PrecSep_0	
310-317518-5	NC2MW7	Total/NA	Water	PrecSep_0	
310-317518-6	NC2MW8	Total/NA	Water	PrecSep_0	
310-317518-7	DUP2	Total/NA	Water	PrecSep_0	
MB 160-740729/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-740729/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW2
Lab Sample ID: 310-317518-1
Date Collected: 10/07/25 12:32
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744807	SWS	EET SL	11/11/25 17:34
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:08
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/11/25 12:37

Client Sample ID: NC2MW3
Lab Sample ID: 310-317518-2
Date Collected: 10/06/25 17:17
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744807	SWS	EET SL	11/11/25 17:34
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:08
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

Client Sample ID: NC2MW5
Lab Sample ID: 310-317518-3
Date Collected: 10/06/25 15:11
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744807	SWS	EET SL	11/11/25 17:34
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:08
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

Client Sample ID: NC2MW6
Lab Sample ID: 310-317518-4
Date Collected: 10/06/25 16:04
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744807	SWS	EET SL	11/11/25 17:34
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:08
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Client Sample ID: NC2MW7
Lab Sample ID: 310-317518-5
Date Collected: 10/07/25 13:33
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744801	SWS	EET SL	11/11/25 19:28
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:08
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

Client Sample ID: NC2MW8
Lab Sample ID: 310-317518-6
Date Collected: 10/07/25 11:51
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744801	SWS	EET SL	11/11/25 19:28
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:09
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

Client Sample ID: DUP2
Lab Sample ID: 310-317518-7
Date Collected: 10/07/25 00:00
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744801	SWS	EET SL	11/11/25 19:28
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:09
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

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
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

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
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

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

eurofins | Environment Testing America

310-317518 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client. Omaha Public Power

City/State: CITY | STATE NE | Project.

Receipt Information

Date/Time Received. DATE 10-8-25 | TIME 1651 | Received By. PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes.* Cooler ID.

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: BB | Correction Factor (°C): 0

• Temp Blank Temperature – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C). 2.3 | Corrected Temp (°C): 2.3

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C)		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes, Shawn M	Carrier Tracking No(s): TestAmerica Omaha SC 268	COC No:
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn.hayes@testamericainc.com		Page:
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 2	SSOW#:			

Analysis Requested

Preservation Codes.

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
NC2MW2	10/7/25	12:32	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW3	10/6/25	17:17	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW5	10/6/25	15:11	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW6	10/6/25	16:04	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW7	10/7/25	13:33	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
NC2MW8	10/7/25	11:51	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
DUP2	10/7/25	—	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kyle K. Uhing	10/7/2025 17:49	OPPD		10-8-25 0700	
2		10-8-25 0800			10-8-25 1651	
3						

Custody Seals Intact: △ Yes △ 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

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Michels, Bob C	Carrier Tracking No(s): N/A	COC No: 310-87704.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Bob.Michels@et.eurofinsus.com	State of Origin: Nebraska	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 310-317518-2
Address: 13715 Rider Trail North,	Due Date Requested: 11/11/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Nebraska City Unit 2 CCR/Landfill	Project #: 31007559			
Site: 310 OPPD Nebraska City Unit 2	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

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=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21Radium-226 (GFPC) - 21 day decay	9320_Ra228/PrecSep_0Radium-228 (GFPC)	Ra226Ra228_GFPCCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
NC2MW2 (310-317518-1)	10/7/25	12:32 Central	G	Water			X	X	X	2	
NC2MW3 (310-317518-2)	10/6/25	17:17 Central	G	Water			X	X	X	2	
NC2MW5 (310-317518-3)	10/6/25	15:11 Central	G	Water			X	X	X	2	
NC2MW6 (310-317518-4)	10/6/25	16:04 Central	G	Water			X	X	X	2	
NC2MW7 (310-317518-5)	10/7/25	13:33 Central	G	Water			X	X	X	2	
NC2MW8 (310-317518-6)	10/7/25	11:51 Central	G	Water			X	X	X	2	
DUP2 (310-317518-7)	10/7/25	Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment 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 Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/9/25/1250			0820 OCT 10 2025	
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317518-2
SDG Number:

Login Number: 317518
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.

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317518-2
SDG Number:

Login Number: 317518
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/10/25 01:20 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
Job ID: 310-317518-2
Project/Site: Nebraska City Unit 2 CCR/Landfill

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
310-317518-1	NC2MW2	90.2
310-317518-2	NC2MW3	88.8
310-317518-3	NC2MW5	79.2
310-317518-4	NC2MW6	86.6
310-317518-5	NC2MW7	87.7
310-317518-6	NC2MW8	88.0
310-317518-7	DUP2	86.1
LCS 160-740728/2-A	Lab Control Sample	89.3
MB 160-740728/1-A	Method Blank	87.2

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
310-317518-1	NC2MW2	90.2	81.9
310-317518-2	NC2MW3	88.8	82.2
310-317518-3	NC2MW5	79.2	78.5
310-317518-4	NC2MW6	86.6	80.4
310-317518-5	NC2MW7	87.7	78.9
310-317518-6	NC2MW8	88.0	82.2
310-317518-7	DUP2	86.1	80.4
LCS 160-740729/2-A	Lab Control Sample	89.3	81.5
MB 160-740729/1-A	Method Blank	87.2	80.7

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

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

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 10/22/2025 10:48:45 AM

JOB DESCRIPTION

Nebraska City Unit 1&2 CCR/Landfilll

JOB NUMBER

310-317519-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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
10/22/2025 10:48:45 AM

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

Table of Contents

Job Narrative
310-317519-1

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

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

Receipt
The samples were received on 10/8/2025 4:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Metals
Method 6020B: The method blank for preparation batch 310-469898 contained chromium above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-317519-1	NC2MW4	Water	10/06/25 13:19	10/08/25 16:51	Nebraska
310-317519-2	MW13	Water	10/06/25 11:20	10/08/25 16:51	Nebraska

Detection Summary

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Client Sample ID: NC2MW4 — Lab Sample ID: 310-317519-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00128	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.330		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.147		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	131		0.500	0.190	mg/L	1		6020B	Total/NA
Lead	0.000537		0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0343		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00573		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00454	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.230		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	48.1		25.0	9.00	mg/L	5		D516-16	Total/NA
Total Dissolved Solids	542		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.40		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW13 — Lab Sample ID: 310-317519-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00242		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.160		0.00200	0.000660	mg/L	1		6020B	Total/NA
Boron	0.141		0.100	0.0820	mg/L	1		6020B	Total/NA
Calcium	75.4		0.500	0.190	mg/L	1		6020B	Total/NA
Cobalt	0.000284	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000438	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Lithium	0.0291		0.0100	0.00290	mg/L	1		6020B	Total/NA
Molybdenum	0.00213		0.00200	0.00130	mg/L	1		6020B	Total/NA
Selenium	0.00197	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Fluoride	0.228		0.100	0.0490	mg/L	1		4500 F C-2011	Total/NA
Sulfate	25.7		25.0	9.00	mg/L	5		D516-16	Total/NA
Total Dissolved Solids	330		50.0	36.0	mg/L	1		SM 2540C	Total/NA
Chloride	13.0		2.00	1.40	mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Client Sample ID: NC2MW4
Lab Sample ID: 310-317519-1

Date Collected: 10/06/25 13:19
Matrix: Water

Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:43	1
Arsenic	**0.00128**	**J**	0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:43	1
Barium	**0.330**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:43	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:43	1
Boron	**0.147**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:43	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:43	1
Calcium	**131**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:43	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:43	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:26	1
Lead	**0.000537**		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:43	1
Lithium	**0.0343**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:43	1
Molybdenum	**0.00573**		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:43	1
Selenium	**0.00454**	**J**	0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:43	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:43	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		10/20/25 13:00	10/21/25 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.230**		0.100	0.0490	mg/L			10/17/25 20:52	1
Sulfate (ASTM D516-16)	**48.1**		25.0	9.00	mg/L			10/10/25 14:44	5
Total Dissolved Solids (SM 2540C)	**542**		50.0	36.0	mg/L			10/10/25 14:25	1
Chloride (SM 4500 Cl- E)	**2.40**		2.00	1.40	mg/L			10/11/25 14:47	1

Client Sample Results

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Client Sample ID: MW13
Lab Sample ID: 310-317519-2

Date Collected: 10/06/25 11:20
Matrix: Water

Date Received: 10/08/25 16:51

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		10/14/25 08:30	10/18/25 19:46	1
Arsenic	**0.00242**		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 19:46	1
Barium	**0.160**		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 19:46	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 19:46	1
Boron	**0.141**		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 19:46	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 19:46	1
Calcium	**75.4**		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 19:46	1
Chromium	<0.00180		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 19:46	1
Cobalt	**0.000284**	**J**	0.000500	0.000170	mg/L		10/14/25 08:30	10/20/25 14:34	1
Lead	**0.000438**	**J**	0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 19:46	1
Lithium	**0.0291**		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 19:46	1
Molybdenum	**0.00213**		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 19:46	1
Selenium	**0.00197**	**J**	0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 19:46	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 19:46	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		10/20/25 13:00	10/21/25 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C-2011)	**0.228**		0.100	0.0490	mg/L			10/17/25 20:56	1
Sulfate (ASTM D516-16)	**25.7**		25.0	9.00	mg/L			10/10/25 14:44	5
Total Dissolved Solids (SM 2540C)	**330**		50.0	36.0	mg/L			10/10/25 14:25	1
Chloride (SM 4500 Cl- E)	**13.0**		2.00	1.40	mg/L			10/11/25 14:47	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

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

Client: Omaha Public Power District
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Job ID: 310-317519-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-469898/1-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		10/14/25 08:30	10/18/25 18:43	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		10/14/25 08:30	10/18/25 18:43	1
Barium	<0.000660		0.00200	0.000660	mg/L		10/14/25 08:30	10/18/25 18:43	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		10/14/25 08:30	10/18/25 18:43	1
Boron	<0.0820		0.100	0.0820	mg/L		10/14/25 08:30	10/18/25 18:43	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		10/14/25 08:30	10/18/25 18:43	1
Calcium	<0.190		0.500	0.190	mg/L		10/14/25 08:30	10/18/25 18:43	1
Chromium	0.04173		0.00500	0.00180	mg/L		10/14/25 08:30	10/18/25 18:43	1
Lead	<0.000330		0.000500	0.000330	mg/L		10/14/25 08:30	10/18/25 18:43	1
Lithium	<0.00290		0.0100	0.00290	mg/L		10/14/25 08:30	10/18/25 18:43	1
Molybdenum	<0.00130		0.00200	0.00130	mg/L		10/14/25 08:30	10/18/25 18:43	1
Selenium	<0.00140		0.00500	0.00140	mg/L		10/14/25 08:30	10/18/25 18:43	1
Thallium	<0.000570		0.00100	0.000570	mg/L		10/14/25 08:30	10/18/25 18:43	1

Lab Sample ID: LCS 310-469898/2-A
Matrix: Water
Analysis Batch: 470580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1884		mg/L		94	80 - 120
Arsenic	0.200	0.1687		mg/L		84	80 - 120
Barium	0.100	0.08625		mg/L		86	80 - 120
Beryllium	0.100	0.08510		mg/L		85	80 - 120
Boron	0.200	0.1980		mg/L		99	80 - 120
Cadmium	0.100	0.08709		mg/L		87	80 - 120
Calcium	2.00	1.729		mg/L		86	80 - 120
Chromium	0.100	0.08727		mg/L		87	80 - 120
Lead	0.200	0.1839		mg/L		92	80 - 120
Lithium	0.200	0.1794		mg/L		90	80 - 120
Molybdenum	0.200	0.1734		mg/L		87	80 - 120
Selenium	0.400	0.3525		mg/L		88	80 - 120
Thallium	0.100	0.09414		mg/L		94	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-470618/1-A
Matrix: Water
Analysis Batch: 470872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 470618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		10/20/25 13:00	10/21/25 12:31	1

Lab Sample ID: LCS 310-470618/2-A
Matrix: Water
Analysis Batch: 470872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 470618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001664		mg/L		100	80 - 120

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

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

Lab Sample ID: MB 310-470529/5
Matrix: Water
Analysis Batch: 470529
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			10/17/25 20:05	1

Lab Sample ID: LCS 310-470529/6
Matrix: Water
Analysis Batch: 470529
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	1.992		mg/L		100	90 - 110

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-469717/16
Matrix: Water
Analysis Batch: 469717
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			10/10/25 14:13	1

Lab Sample ID: MB 310-469717/27
Matrix: Water
Analysis Batch: 469717
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			10/10/25 14:18	1

Lab Sample ID: LCS 310-469717/17
Matrix: Water
Analysis Batch: 469717
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	8.487		mg/L		85	85 - 115

Lab Sample ID: LCS 310-469717/74
Matrix: Water
Analysis Batch: 469717
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	9.457		mg/L		95	85 - 115

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

Lab Sample ID: MB 310-469703/1
Matrix: Water
Analysis Batch: 469703
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			10/10/25 14:25	1

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

Lab Sample ID: LCS 310-469703/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 469703

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1040		mg/L		104	89 - 110		

Lab Sample ID: 310-317519-1 DU
Client Sample ID: NC2MW4
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 469703

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	542			528.0		mg/L				3	13

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-469775/82
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 469775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			10/11/25 14:43	1

Lab Sample ID: LCS 310-469775/83
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 469775

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	10.60		mg/L		106	90 - 110		

Metals

Prep Batch: 469898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	3005A	
310-317519-2	MW13	Total/NA	Water	3005A	
MB 310-469898/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-469898/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 470580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	6020B	469898
310-317519-2	MW13	Total/NA	Water	6020B	469898
MB 310-469898/1-A	Method Blank	Total/NA	Water	6020B	469898
LCS 310-469898/2-A	Lab Control Sample	Total/NA	Water	6020B	469898

Prep Batch: 470618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	7470A	
310-317519-2	MW13	Total/NA	Water	7470A	
MB 310-470618/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-470618/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 470761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	6020B	469898
310-317519-2	MW13	Total/NA	Water	6020B	469898

Analysis Batch: 470872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	7470A	470618
310-317519-2	MW13	Total/NA	Water	7470A	470618
MB 310-470618/1-A	Method Blank	Total/NA	Water	7470A	470618
LCS 310-470618/2-A	Lab Control Sample	Total/NA	Water	7470A	470618

General Chemistry

Analysis Batch: 469703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	SM 2540C	
310-317519-2	MW13	Total/NA	Water	SM 2540C	
MB 310-469703/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-469703/2	Lab Control Sample	Total/NA	Water	SM 2540C	
310-317519-1 DU	NC2MW4	Total/NA	Water	SM 2540C	

Analysis Batch: 469717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	D516-16	
310-317519-2	MW13	Total/NA	Water	D516-16	
MB 310-469717/16	Method Blank	Total/NA	Water	D516-16	
MB 310-469717/27	Method Blank	Total/NA	Water	D516-16	
LCS 310-469717/17	Lab Control Sample	Total/NA	Water	D516-16	
LCS 310-469717/74	Lab Control Sample	Total/NA	Water	D516-16	

QC Association Summary

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfillll

General Chemistry

Analysis Batch: 469775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	SM 4500 Cl- E	
310-317519-2	MW13	Total/NA	Water	SM 4500 Cl- E	
MB 310-469775/82	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-469775/83	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 470529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	4500 F C-2011	
310-317519-2	MW13	Total/NA	Water	4500 F C-2011	
MB 310-470529/5	Method Blank	Total/NA	Water	4500 F C-2011	
LCS 310-470529/6	Lab Control Sample	Total/NA	Water	4500 F C-2011	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Client Sample ID: NC2MW4
Lab Sample ID: 310-317519-1

Date Collected: 10/06/25 13:19
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:26
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:43
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 13:07
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 20:52
Total/NA	Analysis	D516-16		5	469717	WZC8	EET CF	10/10/25 14:44
Total/NA	Analysis	SM 2540C		1	469703	TGN5	EET CF	10/10/25 14:25
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 14:47

Client Sample ID: MW13
Lab Sample ID: 310-317519-2

Date Collected: 10/06/25 11:20
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470761	NFT2	EET CF	10/20/25 14:34
Total/NA	Prep	3005A			469898	QTZ5	EET CF	10/14/25 08:30
Total/NA	Analysis	6020B		1	470580	NFT2	EET CF	10/18/25 19:46
Total/NA	Prep	7470A			470618	RLT9	EET CF	10/20/25 13:00
Total/NA	Analysis	7470A		1	470872	RLT9	EET CF	10/21/25 13:09
Total/NA	Analysis	4500 F C-2011		1	470529	T5AC	EET CF	10/17/25 20:56
Total/NA	Analysis	D516-16		5	469717	WZC8	EET CF	10/10/25 14:44
Total/NA	Analysis	SM 2540C		1	469703	TGN5	EET CF	10/10/25 14:25
Total/NA	Analysis	SM 4500 Cl- E		1	469775	WZC8	EET CF	10/11/25 14:47

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
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfillll

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

Method Summary

Client: Omaha Public Power District
Job ID: 310-317519-1
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

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

eurofins | Environment Testing America

310-317519 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Omaha Public Power

City/State: CITY | STATE: NE | Project:

Receipt Information

Date/Time Received: DATE: 10-8-25 | TIME: 1651 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☐ Yes ☒ No *If yes.* Cooler # ____ of ____

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID: BB | Correction Factor (°C): 0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 1.5 | Corrected Temp (°C): 1.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes, Shawn M	Carrier Tracking No(s): TestAmerica Omaha SC	COC No: Page: 268
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn hayes@testamericainc.com		
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 1 & 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 1 & 2	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
NC2MW4	10/6/25	13:19	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
MW13	10/6/25	11:20	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents

Preservation Codes.

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/7/2025 17:49	OPPD		10-8-25 0800	LC
Relinquished by:	10-8-25 0800	LC		10-8-25 1651	
Relinquished by:			Received by:		

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317519-1
SDG Number:

Login Number: 317519
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.

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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 11/12/2025 3:42:27 PM

JOB DESCRIPTION

Nebraska City Unit 1&2 CCR/Landfilll

JOB NUMBER

310-317519-2

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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

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11/12/2025 3:42:27 PM

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

Table of Contents

Job Narrative
310-317519-2

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 10/8/2025 4:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Gas Flow Proportional Counter
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.

Sample Summary

Client: Omaha Public Power District
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-317519-1	NC2MW4	Water	10/06/25 13:19	10/08/25 16:51	Nebraska
310-317519-2	MW13	Water	10/06/25 11:20	10/08/25 16:51	Nebraska

Detection Summary

Client: Omaha Public Power District
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfillll

Client Sample ID: NC2MW4
Lab Sample ID: 310-317519-1

No Detections.

Client Sample ID: MW13
Lab Sample ID: 310-317519-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: NC2MW4
Lab Sample ID: 310-317519-1
Date Collected: 10/06/25 13:19
Matrix: Water
Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.134	U	0.175	0.176	1.00	0.293	pCi/L	10/15/25 08:10	11/11/25 19:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*10/15/25 08:10*	*11/11/25 19:29*	*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	**1.63**		0.487	0.510	1.00	0.559	pCi/L	10/15/25 08:12	11/11/25 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*1*
Y Carrier	*80.0*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*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	**1.76**		0.517	0.540	5.00	0.559	pCi/L		11/12/25 13:24	1

Client Sample ID: MW13
Lab Sample ID: 310-317519-2

Date Collected: 10/06/25 11:20
Matrix: Water

Date Received: 10/08/25 16:51

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0975	U	0.244	0.245	1.00	0.453	pCi/L	10/15/25 08:10	11/11/25 19:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*10/15/25 08:10*	*11/11/25 19:29*	*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	**1.09**		0.577	0.586	1.00	0.809	pCi/L	10/15/25 08:12	11/11/25 13:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*1*
Y Carrier	*82.6*		*30 - 110*	*10/15/25 08:12*	*11/11/25 13:09*	*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	**1.18**		0.626	0.635	5.00	0.809	pCi/L		11/12/25 13:24	1

Definitions/Glossary

Client: Omaha Public Power District
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Qualifiers

Rad

Qualifier	Qualifier Description
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

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-740728/1-A
Matrix: Water
Analysis Batch: 744806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740728

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1808	U	0.279	0.280	1.00	0.477	pCi/L	10/15/25 08:10	11/11/25 17:36	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*10/15/25 08:10*	*11/11/25 17:36*	*1*

Lab Sample ID: LCS 160-740728/2-A
Matrix: Water
Analysis Batch: 744806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740728

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	7.882		1.16	1.00	0.475	pCi/L	82	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.3*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-740729/1-A
Matrix: Water
Analysis Batch: 744801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740729

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2564	U	0.359	0.360	1.00	0.603	pCi/L	10/15/25 08:12	11/11/25 12:58	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*10/15/25 08:12*	*11/11/25 12:58*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/15/25 08:12*	*11/11/25 12:58*	*1*

Lab Sample ID: LCS 160-740729/2-A
Matrix: Water
Analysis Batch: 744801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740729

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.94	8.799		1.24	1.00	0.522	pCi/L	111	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.3*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

QC Association Summary

Client: Omaha Public Power District
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfillll

Rad

Prep Batch: 740728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	PrecSep-21	
310-317519-2	MW13	Total/NA	Water	PrecSep-21	
MB 160-740728/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-740728/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 740729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-317519-1	NC2MW4	Total/NA	Water	PrecSep_0	
310-317519-2	MW13	Total/NA	Water	PrecSep_0	
MB 160-740729/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-740729/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Omaha Public Power District
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

Client Sample ID: NC2MW4
Lab Sample ID: 310-317519-1

Date Collected: 10/06/25 13:19
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744801	SWS	EET SL	11/11/25 19:29
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:09
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

Client Sample ID: MW13
Lab Sample ID: 310-317519-2

Date Collected: 10/06/25 11:20
Matrix: Water
Date Received: 10/08/25 16:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			740728	AMS	EET SL	10/15/25 08:10
Total/NA	Analysis	9315		1	744801	SWS	EET SL	11/11/25 19:29
Total/NA	Prep	PrecSep_0			740729	AMS	EET SL	10/15/25 08:12
Total/NA	Analysis	9320		1	744806	SWS	EET SL	11/11/25 13:09
Total/NA	Analysis	Ra226_Ra228		1	744642	FLC	EET SL	11/12/25 13:24

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
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

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
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfilll

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

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310-317519 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Omaha Public Power

City/State: CITY | STATE: NE | Project:

Receipt Information

Date/Time Received: DATE: 10-8-25 | TIME: 1651 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☐ Yes ☒ No *If yes.* Cooler # ____ of ____

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: BB | Correction Factor (°C): 0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 1.5 | Corrected Temp (°C): 1.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Phone (319) 277-2401 Fax (319) 277-2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kyle K. Uhing	Lab PM: Hayes, Shawn M	Carrier Tracking No(s): TestAmerica Omaha SC	COC No: Page: 268
Client Contact: Kyle Uhing	Phone: (531) 226-2515	E-Mail: shawn hayes@testamericainc.com		
Company: Omaha Public Power District				Job #:
Address: 444 South 16th Street Mall 9E/EP1	Due Date Requested			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68102-2247				
Phone: (531) 226-2515	PO #:			
Email: kkuhing@oppd.com	WO #:			
Project Name: Nebraska City Station Unit 1 & 2 CCR / Landfill	TestAmerica Project #: 31007559			
Site: Nebraska City Station Unit 1 & 2	SSOW#:			

Analysis Requested

Preservation Codes.

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered 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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
NC2MW4	10/6/25	13:19	G	W	N		X	X	X	4	CCR Appendix III and IV Constituents
MW13	10/6/25	11:20	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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/7/2025 17:49	OPPD		10-8-25 0800	LC
Relinquished by:	10-8-25 0800	LC		10-8-25 1651	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

11/12/2025

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

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Michels, Bob C	Carrier Tracking No(s): N/A	COC No: 310-87704.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Bob.Michels@et.eurofinsus.com	State of Origin: Nebraska	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 310-317519-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 10/21/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Nebraska City Unit 1&2 CCR/Landfilll	Project #: 31007559			
Site: 310 OPPD Nebraska City Unit 2	SSOW#: 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=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21Radium-226 (GFPC) - 21 day decay	9320_Ra228/PrecSep_0Radium-228 (GFPC)	Ra226Ra228_GFPCCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
NC2MW4 (310-317519-1)	10/6/25	13:19 Central	G	Water			X	X	X	2	
MW13 (310-317519-2)	10/6/25	11:20 Central	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment 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 Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 10/9/25 1250	Company	Received by:	Date/Time: 0820 OCT 10 2025	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317519-2
SDG Number:

Login Number: 317519
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.

Login Sample Receipt Checklist

Client: Omaha Public Power District

Job Number: 310-317519-2
SDG Number:

Login Number: 317519
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 10/10/25 01:20 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
Job ID: 310-317519-2
Project/Site: Nebraska City Unit 1&2 CCR/Landfillll

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
310-317519-1	NC2MW4	91.5
310-317519-2	MW13	79.2
LCS 160-740728/2-A	Lab Control Sample	89.3
MB 160-740728/1-A	Method Blank	87.2

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
310-317519-1	NC2MW4	91.5	80.0
310-317519-2	MW13	79.2	82.6
LCS 160-740729/2-A	Lab Control Sample	89.3	81.5
MB 160-740729/1-A	Method Blank	87.2	80.7

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Appendix C

April 2025 & October 2025
Statistical Memos

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Technical Memorandum

Date:	**Wednesday, June 11, 2025**
To:	Omaha Public Power District (OPPD)
From:	HDR Engineering, Inc.
Subject:	Summary of Statistical Analysis and Evaluation for SSLs Nebraska City Station NC2 Ash Disposal Area NDEE Title 132 & Federal CCR Groundwater Monitoring Network

Omaha Public Power District operates a two-unit (Unit 1 and Unit 2) fossil fuel-fired generating plant at the Nebraska City Station, herein referenced as "Station" or "Site". The Station is located southeast of Nebraska City, Nebraska. The Station has two existing coal combustion residuals (CCR) landfills for fossil fuel combustion ash disposal known as the NC1 Ash Disposal Area and the NC2 Ash Disposal Area. Both NC1 and NC2 Ash Disposal Areas are subject to the United States Environmental Protection Agency'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's) Title 132 regulations for fossil fuel combustion ash disposal areas. This memorandum provides a discussion and evaluation of the NC2 Ash Disposal Area. The NC2 Ash Disposal Area is a CCR landfill permitted under the Title 132 regulations for 40.7 acres. Cell 1 was constructed in 2008/2009. The NC2 Ash Disposal Area Cells 2 and 3 were completed in January 2018. Cells 1 through 3 were constructed with a composite liner and leachate collection system.

Groundwater sampling was completed as part of an assessment monitoring program for the NC2 Ash Disposal Area, as specified in 40 CFR §257.95(d) and 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 Methods Certification*, amended December 2021, and the facility's most recent Groundwater Sampling and Analysis Plan (dated January 2024; revised March 2024) as permitted under Title 132. 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 background threshold values (BTVs) were last updated as part of the April 2024 sampling event and will be reevaluated following the spring 2026 sampling event. The current BTVs were calculated with data obtained during monitoring events performed between March 2016 and April 2024.

Downgradient sampling results from the spring 2025 assessment monitoring were used to evaluate for statistically significant increases (SSIs) over background and statistically significant levels (SSLs) over the groundwater protection standards (GWPS). The calculated BTVs and the evaluation for SSIs for the Appendix III (herein referred to as "detection monitoring") constituents and Appendix IV (herein referred to as "assessment monitoring") constituents are provided in **Table D-1**. The calculated lower confidence levels and the evaluation for SSLs over the GWPS for the assessment monitoring constituents are provided in **Table D-2**. The calculated upper confidence levels and the evaluation for SSLs over the GWPS for the corrective action monitoring constituents are provided in **Table D-3**.

Table D-1. Summary of Evaluations for SSIs over Background (April 2025)

		Well ID:	NC2MW-2	NC2MW-3	NC2MW-6	NC2MW-7	NC2MW-8
Constituent	*BTV (UPL):*	*Unit*	*Assessment Monitoring Results*				
Appendix III (Detection Monitoring) Constituents							
Boron	*4.63*	*mg/L*	0.570	0.206	N.S.	0.214	0.169
Calcium	*223*	*mg/L*	222	134	N.S.	106	94.3
Chloride	*36.6*	*mg/L*	25.5	6.28	N.S.	9.19	7.97
Fluoride	*1.89*	*mg/L*	0.320	0.937	N.S.	0.339	0.332
pH	*6.33 – 7.87**	*SU*	6.70	7.07	N.S.	7.17	6.96
Sulfate	*611*	*mg/L*	506	109	N.S.	11.7	119
TDS	*1,390*	*mg/L*	1080	674	N.S.	508	446
Appendix IV (Assessment Monitoring) Constituents							
Antimony	*0.002*	*mg/L*	**0.00296**	<0.00100	N.S.	<0.00100	<0.00100
Arsenic	*0.0411*	*mg/L*	0.000868J	0.00141J	N.S.	0.0395	0.00435
Barium	*0.473*	*mg/L*	0.0700	0.0884	N.S.	**0.497**	0.412
Beryllium	*0.001*	*mg/L*	<0.000330	<0.000330	N.S.	<0.000330	<0.000330
Cadmium	*0.0005*	*mg/L*	0.000125J	<0.000100	N.S.	<0.000100	<0.000100
Chromium	*0.00500*	*mg/L*	<0.00180	<0.00180	N.S.	<0.00180	<0.00180
Cobalt	*0.00236*	*mg/L*	0.000369J	0.000529	N.S.	0.000240J	0.00116
Fluoride	*1.89*	*mg/L*	0.320	0.937	N.S.	0.339	0.332
Lead	*0.0036*	*mg/L*	0.00279	<0.000330	N.S.	<0.000330	<0.000330
Lithium	*0.0427*	*mg/L*	0.0241	0.0305	N.S.	**0.0601**	0.0303
Mercury	*0.000200*	*mg/L*	<0.000110	<0.000110	N.S.	<0.000110	<0.000110
Molybdenum	*0.0356*	*mg/L*	0.0259	0.00428	N.S.	0.00193J	<0.00130
Radium 226+228	*3.17*	*pCi/L*	1.48	0.848	N.S.	1.41	1.07
Selenium	*0.0146*	*mg/L*	0.00497J	0.00185J	N.S.	<0.00140	0.00166J
Thallium	*0.00100*	*mg/L*	<0.000570	<0.000570	N.S.	<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).

N.S. – Not Sampled. Monitoring well NC2MW-6 was dry during the April 2025 sampling event, and a groundwater sample could not be collected.

J – Value is less than the Reporting Limit but above the Method Detection Limit, therefore value is an approximation.

U – 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.

Table D-2. Summary of Evaluation for SSLs (April 2025)

	Well ID:		NC2MW-2	NC2MW-3	NC2MW-6	NC2MW-7	NC2MW-8
Constituent	*GWPS[1]*	*Unit*	*Lower Confidence Levels – Appendix IV (Assessment Monitoring) Constituents*				
Antimony	*0.006*	*mg/L*	0.002938	0.001	0.001	0.001	0.001
Arsenic	*0.0411 [2]*	*mg/L*	0.0008676	0.001847	0.000866	**0.04247**	0.00619
Barium	*2.0*	*mg/L*	0.08201	0.06719	0.1212	0.5444	0.4805
Beryllium	*0.004*	*mg/L*	0.00033	0.00033	0.00033	0.00033	0.00033
Cadmium	*0.005*	*mg/L*	0.0001103	0.00007978	0.00008	0.0001	0.0001
Chromium	*0.1*	*mg/L*	0.0018	0.0018	0.001314	0.0018	0.0018
Cobalt	*0.006*	*mg/L*	0.0004208	0.0006182	0.0002516	0.0002025	0.001412
Fluoride	*4.0*	*mg/L*	0.311	0.8485	0.329	0.339	0.332
Lead	*0.015*	*mg/L*	0.0006026	0.0003047	0.0005919	0.00033	0.0002657
Lithium	*0.0427 [2]*	*mg/L*	0.02451	0.02371	0.031245	**0.05873**	0.03358
Mercury	*0.002*	*mg/L*	0.00011	0.00011	0.00011	0.00011	0.00011
Molybdenum	*0.1*	*mg/L*	0.02847	0.002716	0.008759	0.001736	0.001471
Radium 226+228	*5.0*	*pCi/L*	1.001	0.726	0.5831	0.8719	0.9438
Selenium	*0.05*	*mg/L*	0.002873	0.0014	0.0014	0.0014	0.0014
Thallium	*0.002*	*mg/L*	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 Environmental Protection Agency's (EPA) Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2), unless otherwise specified.
[2] GWPS is established as the UPL when the background level is higher than the EPA MCL.
[3] Arsenic has been shown to be naturally occurring and highly variable and is therefore not considered an SSL under the ASD approved by NDEE on May 5, 2020.

Table D-3. Summary of Ongoing and Newly Identified SSLs (April 2025)

				Most Recent Result			Consecutive Compliance Dates		
Well	*Constituent*	*Unit*	*(Spring 2025)*	*Upper Confidence Levels*	*GWPS[1]*	*Initial Exceedance*	*1st Occurrence*	*Most Recent*	*Duration*
NC2MW-7	Lithium[2]	mg/L	**0.0601**	**0.06317**	0.0427	4/2020	N/A	N/A	N/A

Bold and underlined concentration indicate value exceeds the GWPS.
[1] GWPS is established as the Environmental Protection Agency's (EPA) Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2), unless otherwise specified.
[2] The Upper Prediction Limit for lithium has been set at 0.0427 mg/L which is above the GWPS specified in 40 CFR §257.95(h)(2), therefore, the Site GWPS is set to 0.0427 mg/L.

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Technical Memorandum

Date:	**Monday, December 29, 2025**
To:	Omaha Public Power District (OPPD)
From:	HDR Engineering, Inc.
Subject:	Summary of Statistical Analysis and Evaluation for SSLs Nebraska City Station NC2 Ash Disposal Area DWEE Title 132 & Federal CCR Groundwater Monitoring Network

Omaha Public Power District operates a two-unit (Unit 1 and Unit 2) fossil fuel-fired generating plant at the Nebraska City Station, herein referenced as "Station" or "Site". The Station is located southeast of Nebraska City, Nebraska. The Station has two existing coal combustion residuals (CCR) landfills for fossil fuel combustion ash disposal known as the NC1 Ash Disposal Area and the NC2 Ash Disposal Area. Both NC1 and NC2 Ash Disposal Areas are subject to the United States Environmental Protection Agency'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's (DWEE's) Title 132 regulations for fossil fuel combustion ash disposal areas. This memorandum provides a discussion and evaluation of the NC2 Ash Disposal Area. The NC2 Ash Disposal Area is a CCR landfill permitted under the Title 132 regulations for 40.7 acres. Cell 1 was constructed in 2008/2009. The NC2 Ash Disposal Area Cells 2 and 3 were completed in January 2018. Cells 1 through 3 were constructed with a composite liner and leachate collection system.

Groundwater sampling was completed as part of an assessment monitoring program for the NC2 Ash Disposal Area, as specified in 40 CFR §257.95(d) and 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 Methods Certification*, amended December 2021, and the facility's most recent Groundwater Sampling and Analysis Plan (dated January 2024; revised March 2024) as permitted under Title 132. 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 background threshold values (BTVs) were last updated as part of the April 2024 sampling event and will be reevaluated following the spring 2026 sampling event. The current BTVs were calculated with data obtained during monitoring events performed between March 2016 and April 2024.

Downgradient sampling results from the fall 2025 assessment monitoring were used to evaluate for statistically significant increases (SSIs) over background and statistically significant levels (SSLs) over the groundwater protection standards (GWPS). The calculated BTVs and the evaluation for SSIs for the Appendix III (herein referred to as "detection monitoring") constituents and Appendix IV (herein referred to as "assessment monitoring") constituents are provided in **Table D-1**. The calculated lower confidence levels and the evaluation for SSLs over the GWPS for the assessment monitoring constituents are provided in **Table D-2**. The calculated upper confidence levels and the evaluation for SSLs over the GWPS for the corrective action monitoring constituents are provided in **Table D-3**.

Table D-1. Summary of Evaluations for SSIs over Background (October 2025)

		Well ID:	NC2MW-2	NC2MW-3	NC2MW-6	NC2MW-7	NC2MW-8
Constituent	*BTV (UPL):*	*Unit*	*Assessment Monitoring Results*				
Appendix III (Detection Monitoring) Constituents							
Boron	*4.63*	*mg/L*	1.32	0.466	4.43	0.232	0.227
Calcium	*223*	*mg/L*	**281**	149	135	116	116
Chloride	*36.6*	*mg/L*	17.6	11.4	3.02	10.7	9.72
Fluoride	*1.89*	*mg/L*	0.267	1.87	0.178	0.330	0.360
pH	*6.33 – 7.87**	*SU*	6.43	7.12	7.07	7.00	6.94
Sulfate	*611*	*mg/L*	475	344	192	10.9	148
TDS	*1,390*	*mg/L*	1190	1300	618	498	508
Appendix IV (Assessment Monitoring) Constituents							
Antimony	*0.00200*	*mg/L*	**0.00682**	<0.00100	0.00174J	<0.00100	<0.00100
Arsenic	*0.0411*	*mg/L*	0.000993J	0.00143J	0.00108J	**0.0482**	0.00513
Barium	*0.473*	*mg/L*	0.0694	0.0584	0.0966	**0.555**	0.418
Beryllium	*0.001*	*mg/L*	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330
Cadmium	*0.000500*	*mg/L*	0.000111J	0.000108J	<0.000100	<0.000100	<0.000100
Chromium	*0.00500*	*mg/L*	<0.00180	<0.00180	<0.00180	<0.00180	<0.00180
Cobalt	*0.00236*	*mg/L*	0.000181J	0.000396J	0.000232J	0.000256J	0.00132
Fluoride	*1.89*	*mg/L*	0.267	1.87	0.178	0.330	0.360
Lead	*0.0036*	*mg/L*	0.000455J	<0.000330	0.000658	0.000456J	<0.000330
Lithium	*0.0427*	*mg/L*	0.0354	0.0165	0.0210	**0.0593**	0.0346
Mercury	*0.000200*	*mg/L*	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110
Molybdenum	*0.0356*	*mg/L*	0.0130	0.00349	0.0335	0.00220	<0.00130
Radium 226+228	*3.17*	*pCi/L*	2.00	1.27	1.67	1.56	0.800
Selenium	*0.0146*	*mg/L*	<0.00140	0.00890	0.00205J	<0.00140	0.00182J
Thallium	*0.00100*	*mg/L*	<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).

J – Value is less than the Reporting Limit but above the Method Detection Limit, therefore value is an approximation.

U – 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.

Table D-2. Summary of Evaluation for SSLs (October 2025)

	Well ID:		NC2MW-2	NC2MW-3	NC2MW-6	NC2MW-7	NC2MW-8
Constituent	*GWPS[1]*	*Unit*	*Lower Confidence Levels – Appendix IV (Assessment Monitoring) Constituents*				
Antimony	*0.006*	*mg/L*	0.002847	0.00069	0.0009795	0.00069	0.001
Arsenic	*0.0411 [2]*	*mg/L*	0.0008813	0.001624	0.0008983	**0.04319**	0.005481
Barium	*2.0*	*mg/L*	0.07626	0.06397	0.1141	0.54	0.4557
Beryllium	*0.004*	*mg/L*	0.00027	0.00027	0.00027	0.00027	0.00027
Cadmium	*0.005*	*mg/L*	0.0000997	0.0001	0.000055	0.000055	0.000055
Chromium	*0.1*	*mg/L*	0.0011	0.0011	0.001311	0.0011	0.0011
Cobalt	*0.006*	*mg/L*	0.0003054	0.0006647	0.00023	0.0002029	0.001297
Fluoride	*4.0*	*mg/L*	0.2653	0.9978	0.1203	0.2697	0.2738
Lead	*0.015*	*mg/L*	0.0005512	0.0002891	0.0005452	0.00024	0.0002499
Lithium	*0.0427 [2]*	*mg/L*	0.02577	0.0219	0.02823	**0.05933**	0.03368
Mercury	*0.002*	*mg/L*	0.00011	0.00011	0.00011	0.00011	0.00011
Molybdenum	*0.1*	*mg/L*	0.02313	0.002709	0.008195	0.001745	0.001072
Radium 226+228	*5.0*	*pCi/L*	1.003	0.7267	0.7058	0.8627	0.8434
Selenium	*0.05*	*mg/L*	0.002642	0.0009641	0.001096	0.00096	0.001025
Thallium	*0.002*	*mg/L*	0.00026	0.00026	0.00026	0.00026	0.00026

Bold and underlined concentration indicates an SSL over the GWPS.
[1] GWPS is established as the Environmental Protection Agency's (EPA) Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2), unless otherwise specified.
[2] GWPS is established as the UPL when the background level is higher than the EPA MCL.
[3] Arsenic has been shown to be naturally occurring and highly variable and is therefore not considered an SSL under the ASD approved by DWEE on May 5, 2020.

Table D-3. Summary of Ongoing and Newly Identified SSLs (October 2025)

			Most Recent Result				Consecutive Compliance Dates		
Well	*Constituent*	*Unit*	*(Fall 2025)*	*Upper Confidence Levels*	*GWPS[1]*	*Initial Exceedance*	*1st Occurrence*	*Most Recent*	*Duration*
NC2MW-7	Lithium[2]	mg/L	**0.0593**	**0.06324**	0.0427	4/2020	N/A	N/A	N/A

Bold and underlined concentration indicate value exceeds the GWPS.
[1] GWPS is established as the Environmental Protection Agency's (EPA) Maximum Contaminant Level (MCL) or the GWPS specified in 40 CFR §257.95(h)(2), unless otherwise specified.
[2] The Upper Prediction Limit for lithium has been set at 0.0427 mg/L which is above the GWPS specified in 40 CFR §257.95(h)(2), therefore, the Site GWPS is set to 0.0427 mg/L.

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