Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

June 1, 2025

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 West Iles Avenue
P.O. Box 19276
Springfield, IL 62794

**Re: Vermilion Power Plant New East Ash Pond; IEPA ID # W1838000002-04**

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 1, 2025 sampling event at the Vermilion Power Plant New East Ash Pond (NEAP), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1838000002-04. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances[1] of the GWPS.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16).

A Corrective Measures Assessment (CMA) for the NEAP was initiated on December 31, 2023, completed, and submitted to IEPA on May 29, 2024, in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan, which will ultimately select a remedy to address all releases from the NEAP. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before May 27, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,

**Dianna Tickner, PE, PMP**
**Senior Director, Demolition and Decommission**

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 1, 2025, New East Ash Pond, Vermilion Power Plant, Oakwood, Illinois*

[1] Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Dynegy Midwest Generation, LLC's operating permit application for Vermilion Power Plant New East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

# 35 I.A.C. § 845.610(b)(3)(D)
# GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES[1]
# QUARTER 1, 2025
## *NEW EAST ASH POND, VERMILION POWER PLANT, OAKWOOD, ILLINOIS*

June 1, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on April 2, 2025.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 1, 2025 sampling event. Compliance monitoring well 16B was dry; therefore, groundwater elevation data and a groundwater sample were not collected. Compliance monitoring well 35S went dry during purging; therefore, a groundwater sample was not collected. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 1, 2025 sampling event.

Following well inspection, well 10 was noted as damaged. Well 10 was abandoned and replaced with 10R in December 2024. Updates to the Groundwater Monitoring Plan[2] will be considered following IEPA review and approval of an operating permit.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan[2], constituent concentrations observed at compliance monitoring wells in Quarter 1, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

The date of this submittal is considered to be the date that the exceedances were detected.

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration[3] (ASD) was submitted on December 1, 2023 for the exceedances of the chloride and lithium GWPSs detected at compliance monitoring wells 35D and 70D and the sulfate and total dissolved solids (TDS) GWPSs detected at compliance monitoring well 35D during the Quarter 2, 2023 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on December 28, 2023[4] that did not concur with the ASD. The

[1] Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Dynegy Midwest Generation, LLC's operating permit application for Vermilion Power Plant New East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

[2] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. New East Ash Pond. Vermilion Power Plant. Oakwood, Illinois*. *October 25, 2021*.

[3] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, New East Ash Pond, Vermilion Power Plant, Oakwood, IL, IEPA ID: W1838000002-04.* December 1, 2023.

[4] Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Dianna Tickner (Dynegy Midwest Generation, LLC): Re: Vermilion Power Plant New East Ash Pond; W1838000002-4, Alternative Source Demonstration (ASD) Submittal.* December 28, 2023.

non-concurrence was appealed, and on April 18, 2024[5], the Illinois Pollution Control Board granted the company's requests to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedances of the chloride, lithium, sulfate, and TDS GWPSs detected at compliance monitoring wells 35D and 70D.

A second ASD[6] was submitted on May 8, 2024 for the exceedance of the chloride GWPS at compliance monitoring well 71D during the Quarter 4, 2023 sampling event. The IEPA provided a written response on June 5, 2024[7] that did not concur with the ASD. The non-concurrence was not appealed.

A third ASD[8] was submitted on July 24, 2024 for the exceedance of the TDS GWPS at compliance monitoring well 70D during the Quarter 1, 2024 sampling event. The IEPA provided a written response on August 22, 2024[9] that did not concur with the ASD. The non-concurrence was appealed, and on November 7, 2024[10], the Illinois Pollution Control Board granted the company's requests to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance of the TDS GWPS detected at compliance monitoring well 70D.

A fourth ASD[11] was submitted on December 20, 2024 for the exceedance of the lithium GWPS at compliance monitoring well 71D during the Quarter 3, 2024 sampling event. The IEPA provided a written response on January 14, 2025[12] that did not concur with the ASD. DMG responded to the IEPA with a disagreement letter dated February 25, 2025[13], but did not file an additional appeal.

Except for a TDS GWPS exceedance in compliance monitoring well 71D, exceedances of the chloride, lithium, sulfate, and TDS GWPSs were detected during the Quarter 1, 2025 sampling event in the same monitoring wells identified in the December 1, 2023 ASD, the May 8, 2024 ASD, the July 24, 2024 ASD and the

[5] Illinois Pollution Control Board (IPCB), 2024. *PCB 24-53 (Petition for review – Alternative Source Demonstration).* April 18, 2024.

[6] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, New East Ash Pond, Vermilion Power Plant, Oakwood, IL, IEPA ID: W1838000002-04.* May 8, 2024.

[7] Illinois Environmental Protection Agency (IEPA), 2024*. Letter from Darin LeCrone (IEPA) to Dianna Tickner (Dynegy Midwest Generation, LLC): Re: Vermilion Power Plant New East Ash Pond; W1838000002-4, Alternative Source Demonstration (ASD) Submittal.* June 5, 2024.

[8] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, New East Ash Pond, Vermilion Power Plant, Oakwood, IL, IEPA ID: W1838000002-04.* July 24, 2024.

[9] Illinois Environmental Protection Agency (IEPA), 2024*. Letter from Darin LeCrone (IEPA) to Dianna Tickner (Dynegy Midwest Generation, LLC): Re: Vermilion Power Plant New East Ash Pond; W1838000002-4, Alternative Source Demonstration (ASD) Submittal.* August 22, 2024.

[10] Illinois Pollution Control Board (IPCB), 2024. *PCB 25-15 (Petition for review – Alternative Source Demonstration).* November 7, 2024.

[11] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, New East Ash Pond, Vermilion Power Plant, Oakwood, IL, IEPA ID: W1838000002-04.* December 20, 2024.

[12] Illinois Environmental Protection Agency (IEPA), 2025*. Letter from Darin LeCrone (IEPA) to Dianna Tickner (Dynegy Midwest Generation, LLC): Re: Vermilion Power Plant New East Ash Pond; W1838000002-4, Alternative Source Demonstration (ASD) Submittal.* January 14, 2025.

[13] Dynegy Midwest Generation, LLC (DMG), 2025. *Letter from Dianna Tickner (DMG) to Darin LeCrone (IEPA): Re: Vermilion Power Plant New East Ash Pond; IEPA ID# W1838000002-04.* February 25, 2025.

December 20, 2024 ASD. As allowed in 35 I.A.C. § 845.650(e), an ASD will be considered for submittal to address the Quarter 1, 2025 TDS GWPS exceedance in compliance well 71D.

## TABLES


Table 1 Field Parameters and Analytical Results - Quarter 1, 2025
Table 2 Evaluation of Compliance - Quarter 1, 2025


## FIGURES


Figure 1 Monitoring Well Location Map


## ATTACHMENTS


Attachment A Groundwater Elevation Data - Quarter 1, 2025
Attachment B Laboratory Reports and Field Data Sheets - Quarter 1, 2025
Attachment C Comparison to Background - Quarter 1, 2025

# TABLES

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 10R | Background | E008 | 02/28/2025 | Antimony, total | 0.0013 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Arsenic, total | 0.00740 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Barium, total | 0.170 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Beryllium, total | 0.00053 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Boron, total | 0.130 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Cadmium, total | 0.00017 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Calcium, total | 140 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Chloride, total | 5.40 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Chromium, total | 0.00670 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Cobalt, total | 0.00250 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Dissolved Oxygen | 0.0700 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Fluoride, total | 0.290 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Lead, total | 0.00360 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Lithium, total | 0.0200 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Mercury, total | 0.000076 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Molybdenum, total | 0.0110 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Oxidation Reduction Potential | -121 | mV |
| 10R | Background | E008 | 02/28/2025 | pH (field) | 7.1 | SU |
| 10R | Background | E008 | 02/28/2025 | Radium 226 + Radium 228, total | 0.583 | pCi/L |
| 10R | Background | E008 | 02/28/2025 | Selenium, total | 0.00098 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Specific Conductance @ 25C (field) | 1,057 | micromhos/cm |
| 10R | Background | E008 | 02/28/2025 | Sulfate, total | 120 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Temperature | 13.7 | degrees C |
| 10R | Background | E008 | 02/28/2025 | Thallium, total | 0.00057 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Total Dissolved Solids | 630 | mg/L |
| 10R | Background | E008 | 02/28/2025 | Turbidity, field | 253 | NTU |
| 22 | Background | E008 | 02/27/2025 | Antimony, total | 0.0013 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Arsenic, total | 0.00680 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Barium, total | 0.270 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Beryllium, total | 0.00210 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Boron, total | 0.420 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Cadmium, total | 0.00017 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Calcium, total | 49.0 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Chloride, total | 14.0 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Chromium, total | 0.0580 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Cobalt, total | 0.0220 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Dissolved Oxygen | 0.490 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Fluoride, total | 0.370 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Lead, total | 0.0160 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Lithium, total | 0.0850 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Mercury, total | 0.000076 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Molybdenum, total | 0.00500 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Oxidation Reduction Potential | -86.9 | mV |
| 22 | Background | E008 | 02/27/2025 | pH (field) | 7.3 | SU |
| 22 | Background | E008 | 02/27/2025 | Radium 226 + Radium 228, total | 6.19 | pCi/L |
| 22 | Background | E008 | 02/27/2025 | Selenium, total | 0.00250 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 22 | Background | E008 | 02/27/2025 | Specific Conductance @ 25C (field) | 853 | micromhos/cm |
| 22 | Background | E008 | 02/27/2025 | Sulfate, total | 30.0 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Temperature | 12.6 | degrees C |
| 22 | Background | E008 | 02/27/2025 | Thallium, total | 0.00057 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Total Dissolved Solids | 570 | mg/L |
| 22 | Background | E008 | 02/27/2025 | Turbidity, field | 2,690 | NTU |
| 16B | Compliance | E008 | -- | Antimony, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Arsenic, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Barium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Beryllium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Boron, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Cadmium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Calcium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Chloride, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Chromium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Cobalt, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Dissolved Oxygen | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Fluoride, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Lead, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Lithium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Mercury, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Molybdenum, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Oxidation Reduction Potential | NS[7] | mV |
| 16B | Compliance | E008 | -- | pH (field) | NS[7] | SU |
| 16B | Compliance | E008 | -- | Radium 226 + Radium 228, total | NS[7] | pCi/L |
| 16B | Compliance | E008 | -- | Selenium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Specific Conductance @ 25C (field) | NS[7] | micromhos/cm |
| 16B | Compliance | E008 | -- | Sulfate, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Temperature | NS[7] | degrees C |
| 16B | Compliance | E008 | -- | Thallium, total | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Total Dissolved Solids | NS[7] | mg/L |
| 16B | Compliance | E008 | -- | Turbidity, field | NS[7] | NTU |
| 16A | Compliance | E008 | 02/25/2025 | Antimony, total | 0.0013 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Arsenic, total | 0.0005 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Barium, total | 0.300 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Beryllium, total | 0.00053 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Boron, total | 0.860 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Cadmium, total | 0.00017 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Calcium, total | 37.0 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Chloride, total | 130 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Chromium, total | 0.0011 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Cobalt, total | 0.0004 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Dissolved Oxygen | 0.110 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Fluoride, total | 0.850 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Lead, total | 0.00025 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Lithium, total | 0.0320 | mg/L |

**TABLE 1.**
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845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 16A | Compliance | E008 | 02/25/2025 | Mercury, total | 0.000076 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Molybdenum, total | 0.0025 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Oxidation Reduction Potential | -111 | mV |
| 16A | Compliance | E008 | 02/25/2025 | pH (field) | 7.5 | SU |
| 16A | Compliance | E008 | 02/25/2025 | Radium 226 + Radium 228, total | 1.78 | pCi/L |
| 16A | Compliance | E008 | 02/25/2025 | Selenium, total | 0.00098 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Specific Conductance @ 25C (field) | 1,198 | micromhos/cm |
| 16A | Compliance | E008 | 02/25/2025 | Sulfate, total | 8.90 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Temperature | 12.0 | degrees C |
| 16A | Compliance | E008 | 02/25/2025 | Thallium, total | 0.00057 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Total Dissolved Solids | 640 | mg/L |
| 16A | Compliance | E008 | 02/25/2025 | Turbidity, field | 12.3 | NTU |
| 35S | Compliance | E008 | -- | Antimony, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Arsenic, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Barium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Beryllium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Boron, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Cadmium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Calcium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Chloride, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Chromium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Cobalt, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Dissolved Oxygen | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Fluoride, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Lead, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Lithium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Mercury, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Molybdenum, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Oxidation Reduction Potential | NS[7] | mV |
| 35S | Compliance | E008 | -- | pH (field) | NS[7] | SU |
| 35S | Compliance | E008 | -- | Radium 226 + Radium 228, total | NS[7] | pCi/L |
| 35S | Compliance | E008 | -- | Selenium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Specific Conductance @ 25C (field) | NS[7] | micromhos/cm |
| 35S | Compliance | E008 | -- | Sulfate, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Temperature | NS[7] | degrees C |
| 35S | Compliance | E008 | -- | Thallium, total | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Total Dissolved Solids | NS[7] | mg/L |
| 35S | Compliance | E008 | -- | Turbidity, field | NS[7] | NTU |
| 35D | Compliance | E008 | 02/27/2025 | Antimony, total | 0.0013 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Arsenic, total | 0.00160 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Barium, total | 0.0250 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Beryllium, total | 0.00053 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Boron, total | 1.80 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Cadmium, total | 0.00017 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Calcium, total | 89.0 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Chloride, total | 440 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 35D | Compliance | E008 | 02/27/2025 | Chromium, total | 0.00500 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Cobalt, total | 0.00089 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Dissolved Oxygen | 0.0400 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Fluoride, total | 0.750 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Lead, total | 0.00031 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Lithium, total | 0.130 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Mercury, total | 0.000076 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Molybdenum, total | 0.0048 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Oxidation Reduction Potential | 211 | mV |
| 35D | Compliance | E008 | 02/27/2025 | pH (field) | 7.7 | SU |
| 35D | Compliance | E008 | 02/27/2025 | Radium 226 + Radium 228, total | 0.428 | pCi/L |
| 35D | Compliance | E008 | 02/27/2025 | Selenium, total | 0.0012 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Specific Conductance @ 25C (field) | 5,083 | micromhos/cm |
| 35D | Compliance | E008 | 02/27/2025 | Sulfate, total | 1,200 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Temperature | 9.20 | degrees C |
| 35D | Compliance | E008 | 02/27/2025 | Thallium, total | 0.00057 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Total Dissolved Solids | 3,000 | mg/L |
| 35D | Compliance | E008 | 02/27/2025 | Turbidity, field | 9.31 | NTU |
| 70S | Compliance | E008 | 02/26/2025 | Antimony, total | 0.0013 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Arsenic, total | 0.00024 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Barium, total | 0.0160 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Beryllium, total | 0.00053 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Boron, total | 0.540 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Cadmium, total | 0.0002 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Calcium, total | 210 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Chloride, total | 11.0 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Chromium, total | 0.0011 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Cobalt, total | 0.0004 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Dissolved Oxygen | 0.0500 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Fluoride, total | 0.170 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Lead, total | 0.00019 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Lithium, total | 0.0200 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Mercury, total | 0.000076 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Molybdenum, total | 0.0035 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Oxidation Reduction Potential | -14.6 | mV |
| 70S | Compliance | E008 | 02/26/2025 | pH (field) | 6.8 | SU |
| 70S | Compliance | E008 | 02/26/2025 | Radium 226 + Radium 228, total | 0.0215 | pCi/L |
| 70S | Compliance | E008 | 02/26/2025 | Selenium, total | 0.00098 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Specific Conductance @ 25C (field) | 1,527 | micromhos/cm |
| 70S | Compliance | E008 | 02/26/2025 | Sulfate, total | 500 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Temperature | 12.1 | degrees C |
| 70S | Compliance | E008 | 02/26/2025 | Thallium, total | 0.00057 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Total Dissolved Solids | 1,000 | mg/L |
| 70S | Compliance | E008 | 02/26/2025 | Turbidity, field | 5.54 | NTU |
| 70D | Compliance | E008 | 02/26/2025 | Antimony, total | 0.0013 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Arsenic, total | 0.00023 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 70D | Compliance | E008 | 02/26/2025 | Barium, total | 0.540 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Beryllium, total | 0.00053 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Boron, total | 1.40 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Cadmium, total | 0.00017 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Calcium, total | 90.0 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Chloride, total | 650 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Chromium, total | 0.0011 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Cobalt, total | 0.0004 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Dissolved Oxygen | 0.0800 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Fluoride, total | 0.520 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Lead, total | 0.00028 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Lithium, total | 0.0960 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Mercury, total | 0.000076 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Molybdenum, total | 0.0025 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Oxidation Reduction Potential | -10.6 | mV |
| 70D | Compliance | E008 | 02/26/2025 | pH (field) | 6.8 | SU |
| 70D | Compliance | E008 | 02/26/2025 | Radium 226 + Radium 228, total | 0.823 | pCi/L |
| 70D | Compliance | E008 | 02/26/2025 | Selenium, total | 0.00098 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Specific Conductance @ 25C (field) | 3,262 | micromhos/cm |
| 70D | Compliance | E008 | 02/26/2025 | Sulfate, total | 20.0 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Temperature | 11.8 | degrees C |
| 70D | Compliance | E008 | 02/26/2025 | Thallium, total | 0.00057 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Total Dissolved Solids | 1,600 | mg/L |
| 70D | Compliance | E008 | 02/26/2025 | Turbidity, field | 181 | NTU |
| 71S | Compliance | E008 | 02/27/2025 | Antimony, total | 0.0013 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Arsenic, total | 0.00190 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Barium, total | 0.0440 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Beryllium, total | 0.00053 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Boron, total | 0.270 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Cadmium, total | 0.00017 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Calcium, total | 140 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Chloride, total | 5.40 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Chromium, total | 0.0011 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Cobalt, total | 0.00110 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Dissolved Oxygen | 0.340 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Fluoride, total | 0.160 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Lead, total | 0.00019 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Lithium, total | 0.00810 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Mercury, total | 0.000076 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Molybdenum, total | 0.0027 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Oxidation Reduction Potential | 5.60 | mV |
| 71S | Compliance | E008 | 02/27/2025 | pH (field) | 6.9 | SU |
| 71S | Compliance | E008 | 02/27/2025 | Radium 226 + Radium 228, total | 0.775 | pCi/L |
| 71S | Compliance | E008 | 02/27/2025 | Selenium, total | 0.00098 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Specific Conductance @ 25C (field) | 1,080 | micromhos/cm |
| 71S | Compliance | E008 | 02/27/2025 | Sulfate, total | 67.0 | mg/L |

**TABLE 1.**
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Event | Date | Parameter | Result | Unit |
|---|---|---|---|---|---|---|
| 71S | Compliance | E008 | 02/27/2025 | Temperature | 6.10 | degrees C |
| 71S | Compliance | E008 | 02/27/2025 | Thallium, total | 0.00057 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Total Dissolved Solids | 600 | mg/L |
| 71S | Compliance | E008 | 02/27/2025 | Turbidity, field | 2.79 | NTU |
| 71D | Compliance | E008 | 02/27/2025 | Antimony, total | 0.0013 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Arsenic, total | 0.00033 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Barium, total | 0.410 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Beryllium, total | 0.00053 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Boron, total | 1.50 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Cadmium, total | 0.00017 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Calcium, total | 61.0 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Chloride, total | 660 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Chromium, total | 0.00500 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Cobalt, total | 0.00081 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Dissolved Oxygen | 2.11 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Fluoride, total | 0.450 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Lead, total | 0.000780 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Lithium, total | 0.100 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Mercury, total | 0.000076 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Molybdenum, total | 0.0025 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Oxidation Reduction Potential | 109 | mV |
| 71D | Compliance | E008 | 02/27/2025 | pH (field) | 7.2 | SU |
| 71D | Compliance | E008 | 02/27/2025 | Radium 226 + Radium 228, total | 1.88 | pCi/L |
| 71D | Compliance | E008 | 02/27/2025 | Selenium, total | 0.00098 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Specific Conductance @ 25C (field) | 2,462 | micromhos/cm |
| 71D | Compliance | E008 | 02/27/2025 | Sulfate, total | 66.0 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Temperature | 9.60 | degrees C |
| 71D | Compliance | E008 | 02/27/2025 | Thallium, total | 0.00057 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Total Dissolved Solids | 2,100 | mg/L |
| 71D | Compliance | E008 | 02/27/2025 | Turbidity, field | 9.43 | NTU |

**Notes:**
C = Celsius
cm = centimeter
Events:
E008 = Quarter 1, 2025 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
SU = Standard Units

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16B | UU | E008 | Antimony, total | mg/L | -- | -- | -- | -- | NS[7] | 0.006 | Standard | -- |
| 16B | UU | E008 | Arsenic, total | mg/L | -- | -- | -- | -- | NS[7] | 0.010 | Standard | -- |
| 16B | UU | E008 | Barium, total | mg/L | -- | -- | -- | -- | NS[7] | 2.0 | Standard | -- |
| 16B | UU | E008 | Beryllium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.004 | Standard | -- |
| 16B | UU | E008 | Boron, total | mg/L | -- | -- | -- | -- | NS[7] | 2 | Standard | -- |
| 16B | UU | E008 | Cadmium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.005 | Standard | -- |
| 16B | UU | E008 | Chloride, total | mg/L | -- | -- | -- | -- | NS[7] | 200 | Standard | -- |
| 16B | UU | E008 | Chromium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.1 | Standard | -- |
| 16B | UU | E008 | Cobalt, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0900 | Background | -- |
| 16B | UU | E008 | Fluoride, total | mg/L | -- | -- | -- | -- | NS[7] | 4.0 | Standard | -- |
| 16B | UU | E008 | Lead, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0075 | Standard | -- |
| 16B | UU | E008 | Lithium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.04 | Standard | -- |
| 16B | UU | E008 | Mercury, total | mg/L | -- | -- | -- | -- | NS[7] | 0.002 | Standard | -- |
| 16B | UU | E008 | Molybdenum, total | mg/L | -- | -- | -- | -- | NS[7] | 0.1 | Standard | -- |
| 16B | UU | E008 | pH (field) | SU | -- | -- | -- | -- | NS[7] | 6.3/9.0 | Background/Standard | -- |
| 16B | UU | E008 | Radium 226 + Radium 228, total | pCi/L | -- | -- | -- | -- | NS[7] | 7.00 | Background | -- |
| 16B | UU | E008 | Selenium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.05 | Standard | -- |
| 16B | UU | E008 | Sulfate, total | mg/L | -- | -- | -- | -- | NS[7] | 400 | Standard | -- |
| 16B | UU | E008 | Thallium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.002 | Standard | -- |
| 16B | UU | E008 | Total Dissolved Solids | mg/L | -- | -- | -- | -- | NS[7] | 1,200 | Standard | -- |
| 16A | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/25/25 | 15 | 93 | CB around T-S line | 0.001 | 0.006 | Standard | No Exceedance |
| 16A | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/25/25 | 15 | 7 | CI around geomean | 0.0011 | 0.010 | Standard | No Exceedance |
| 16A | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CI around mean | 0.265 | 2.0 | Standard | No Exceedance |
| 16A | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 16A | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CB around linear reg | 0.698 | 2 | Standard | No Exceedance |
| 16A | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 16A | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CI around mean | 126 | 200 | Standard | No Exceedance |

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16A | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 80 | CB around T-S line | 0.0015 | 0.1 | Standard | No Exceedance |
| 16A | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/25/25 | 15 | 80 | CI around median | 0.001 | 0.0900 | Background | No Exceedance |
| 16A | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/25/25 | 15 | 7 | CI around mean | 0.701 | 4.0 | Standard | No Exceedance |
| 16A | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/25/25 | 15 | 80 | CI around median | 0.0005 | 0.0075 | Standard | No Exceedance |
| 16A | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CB around T-S line | 0.0313 | 0.04 | Standard | No Exceedance |
| 16A | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 16A | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 16A | BCU | E008 | pH (field) | SU | 04/01/21 - 02/25/25 | 20 | 0 | CI around mean | 7.2/7.5 | 6.3/9.0 | Background/Standard | No Exceedance |
| 16A | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/25/25 | 14 | 0 | CB around linear reg | 1.02 | 7.00 | Background | No Exceedance |
| 16A | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 16A | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/25/25 | 20 | 5 | CB around linear reg | -20 | 400 | Standard | No Exceedance |
| 16A | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 16A | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/25/25 | 20 | 0 | CI around mean | 650 | 1,200 | Standard | No Exceedance |
| 35S | UU | E008 | Antimony, total | mg/L | -- | -- | -- | -- | NS[7] | 0.006 | Standard | -- |
| 35S | UU | E008 | Arsenic, total | mg/L | -- | -- | -- | -- | NS[7] | 0.010 | Standard | -- |
| 35S | UU | E008 | Barium, total | mg/L | -- | -- | -- | -- | NS[7] | 2.0 | Standard | -- |
| 35S | UU | E008 | Beryllium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.004 | Standard | -- |
| 35S | UU | E008 | Boron, total | mg/L | -- | -- | -- | -- | NS[7] | 2 | Standard | -- |
| 35S | UU | E008 | Cadmium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.005 | Standard | -- |
| 35S | UU | E008 | Chloride, total | mg/L | -- | -- | -- | -- | NS[7] | 200 | Standard | -- |
| 35S | UU | E008 | Chromium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.1 | Standard | -- |
| 35S | UU | E008 | Cobalt, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0900 | Background | -- |
| 35S | UU | E008 | Fluoride, total | mg/L | -- | -- | -- | -- | NS[7] | 4.0 | Standard | -- |
| 35S | UU | E008 | Lead, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0075 | Standard | -- |
| 35S | UU | E008 | Lithium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.04 | Standard | -- |
| 35S | UU | E008 | Mercury, total | mg/L | -- | -- | -- | -- | NS[7] | 0.002 | Standard | -- |
| 35S | UU | E008 | Molybdenum, total | mg/L | -- | -- | -- | -- | NS[7] | 0.1 | Standard | -- |

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35S | UU | E008 | pH (field) | SU | -- | -- | -- | -- | NS[7] | 6.3/9.0 | Background/Standard | -- |
| 35S | UU | E008 | Radium 226 + Radium 228, total | pCi/L | -- | -- | -- | -- | NS[7] | 7.00 | Background | -- |
| 35S | UU | E008 | Selenium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.05 | Standard | -- |
| 35S | UU | E008 | Sulfate, total | mg/L | -- | -- | -- | -- | NS[7] | 400 | Standard | -- |
| 35S | UU | E008 | Thallium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.002 | Standard | -- |
| 35S | UU | E008 | Total Dissolved Solids | mg/L | -- | -- | -- | -- | NS[7] | 1,200 | Standard | -- |
| 35D | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/27/25 | 16 | 81 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 35D | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/27/25 | 16 | 19 | CI around geomean | 0.00171 | 0.010 | Standard | No Exceedance |
| 35D | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CB around T-S line | -0.0659 | 2.0 | Standard | No Exceedance |
| 35D | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 35D | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CI around mean | 1.71 | 2 | Standard | No Exceedance |
| 35D | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 35D | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CI around mean | 331 | 200 | Standard | Exceedance |
| 35D | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 75 | CB around T-S line | 0.00245 | 0.1 | Standard | No Exceedance |
| 35D | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/27/25 | 16 | 56 | CB around T-S line | -0.00229 | 0.0900 | Background | No Exceedance |
| 35D | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/27/25 | 16 | 6 | CI around median | 0.66 | 4.0 | Standard | No Exceedance |
| 35D | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/27/25 | 16 | 62 | CB around T-S line | -0.0042 | 0.0075 | Standard | No Exceedance |
| 35D | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CI around mean | 0.118 | 0.04 | Standard | Exceedance |
| 35D | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 35D | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/27/25 | 16 | 44 | CB around linear reg | -0.0024 | 0.1 | Standard | No Exceedance |
| 35D | BCU | E008 | pH (field) | SU | 04/01/21 - 02/27/25 | 20 | 0 | CI around median | 7.3/7.7 | 6.3/9.0 | Background/Standard | No Exceedance |
| 35D | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/27/25 | 15 | 0 | CI around mean | 0.452 | 7.00 | Background | No Exceedance |
| 35D | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 35D | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/27/25 | 21 | 0 | CI around mean | 1,150 | 400 | Standard | Exceedance |
| 35D | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 35D | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/27/25 | 21 | 0 | CI around mean | 2,830 | 1,200 | Standard | Exceedance |
| 70S | UU | E008 | Antimony, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70S | UU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.001 | 0.010 | Standard | No Exceedance |
| 70S | UU | E008 | Barium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.0163 | 2.0 | Standard | No Exceedance |
| 70S | UU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 70S | UU | E008 | Boron, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.4 | 2 | Standard | No Exceedance |
| 70S | UU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 70S | UU | E008 | Chloride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 8.08 | 200 | Standard | No Exceedance |
| 70S | UU | E008 | Chromium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.005 | 0.1 | Standard | No Exceedance |
| 70S | UU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.001 | 0.0900 | Background | No Exceedance |
| 70S | UU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 6 | CI around median | 0.14 | 4.0 | Standard | No Exceedance |
| 70S | UU | E008 | Lead, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0005 | 0.0075 | Standard | No Exceedance |
| 70S | UU | E008 | Lithium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 0.0143 | 0.04 | Standard | No Exceedance |
| 70S | UU | E008 | Mercury, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 70S | UU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/26/25 | 16 | 44 | CI around median | 0.005 | 0.1 | Standard | No Exceedance |
| 70S | UU | E008 | pH (field) | SU | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 6.9/7.0 | 6.3/9.0 | Background/Standard | No Exceedance |
| 70S | UU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/26/25 | 15 | 0 | CI around geomean | 0.104 | 7.00 | Background | No Exceedance |
| 70S | UU | E008 | Selenium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0025 | 0.05 | Standard | No Exceedance |
| 70S | UU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 421 | 400 | Standard | Exceedance |
| 70S | UU | E008 | Thallium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 70S | UU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 967 | 1,200 | Standard | No Exceedance |
| 70D | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/26/25 | 16 | 88 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 70D | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/26/25 | 16 | 69 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| 70D | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.451 | 2.0 | Standard | No Exceedance |
| 70D | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 81 | CI around median | 0.001 | 0.004 | Standard | No Exceedance |
| 70D | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 1.23 | 2 | Standard | No Exceedance |
| 70D | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 70D | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 537 | 200 | Standard | Exceedance |
| 70D | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 50 | CB around T-S line | -0.0699 | 0.1 | Standard | No Exceedance |

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70D | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/26/25 | 16 | 19 | CB around T-S line | -0.0648 | 0.0900 | Background | No Exceedance |
| 70D | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 6 | CI around geomean | 0.423 | 4.0 | Standard | No Exceedance |
| 70D | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/26/25 | 16 | 25 | CB around T-S line | -0.0453 | 0.0075 | Standard | No Exceedance |
| 70D | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.0817 | 0.04 | Standard | Exceedance |
| 70D | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 70D | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/26/25 | 16 | 50 | CB around linear reg | -0.0149 | 0.1 | Standard | No Exceedance |
| 70D | BCU | E008 | pH (field) | SU | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 6.9/7.2 | 6.3/9.0 | Background/Standard | No Exceedance |
| 70D | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/26/25 | 15 | 0 | CB around T-S line | -12.4 | 7.00 | Background | No Exceedance |
| 70D | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 88 | CB around T-S line | 0.001 | 0.05 | Standard | No Exceedance |
| 70D | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 25.6 | 400 | Standard | No Exceedance |
| 70D | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 70D | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 1,400 | 1,200 | Standard | Exceedance |
| 71S | UU | E008 | Antimony, total | mg/L | 04/01/21 - 02/27/25 | 10 | 100 | All ND - Last | 0.003 | 0.006 | Standard | No Exceedance |
| 71S | UU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CB around linear reg | -0.00357 | 0.010 | Standard | No Exceedance |
| 71S | UU | E008 | Barium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.0429 | 2.0 | Standard | No Exceedance |
| 71S | UU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 100 | All ND - Last | 0.001 | 0.004 | Standard | No Exceedance |
| 71S | UU | E008 | Boron, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.198 | 2 | Standard | No Exceedance |
| 71S | UU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.0005 | 0.005 | Standard | No Exceedance |
| 71S | UU | E008 | Chloride, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around geomean | 1.75 | 200 | Standard | No Exceedance |
| 71S | UU | E008 | Chromium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CB around T-S line | 0.0015 | 0.1 | Standard | No Exceedance |
| 71S | UU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/27/25 | 10 | 50 | CI around median | 0.001 | 0.0900 | Background | No Exceedance |
| 71S | UU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.172 | 4.0 | Standard | No Exceedance |
| 71S | UU | E008 | Lead, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.0005 | 0.0075 | Standard | No Exceedance |
| 71S | UU | E008 | Lithium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.00477 | 0.04 | Standard | No Exceedance |
| 71S | UU | E008 | Mercury, total | mg/L | 04/01/21 - 02/27/25 | 10 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 71S | UU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/27/25 | 10 | 20 | CI around mean | 0.00225 | 0.1 | Standard | No Exceedance |
| 71S | UU | E008 | pH (field) | SU | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 6.7/6.9 | 6.3/9.0 | Background/Standard | No Exceedance |

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | GWPS | GWPS Source | Compliance Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71S | UU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.245 | 7.00 | Background | No Exceedance |
| 71S | UU | E008 | Selenium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.001 | 0.05 | Standard | No Exceedance |
| 71S | UU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around median | 60 | 400 | Standard | No Exceedance |
| 71S | UU | E008 | Thallium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.002 | 0.002 | Standard | No Exceedance |
| 71S | UU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CB around linear reg | 536 | 1,200 | Standard | No Exceedance |
| 71D | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/27/25 | 8 | 75 | CI around median | 0.001 | 0.006 | Standard | No Exceedance |
| 71D | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/27/25 | 8 | 62 | CI around median | 0.001 | 0.010 | Standard | No Exceedance |
| 71D | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 0.207 | 2.0 | Standard | No Exceedance |
| 71D | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 88 | CI around median | 0.0005 | 0.004 | Standard | No Exceedance |
| 71D | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 0.781 | 2 | Standard | No Exceedance |
| 71D | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 100 | All ND - Last | 0.0005 | 0.005 | Standard | No Exceedance |
| 71D | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 364 | 200 | Standard | Exceedance |
| 71D | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 38 | CI around median | 0.0028 | 0.1 | Standard | No Exceedance |
| 71D | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/27/25 | 8 | 50 | CB around linear reg | -0.0519 | 0.0900 | Background | No Exceedance |
| 71D | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CB around linear reg | 0.166 | 4.0 | Standard | No Exceedance |
| 71D | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/27/25 | 8 | 12 | CI around geomean | 0.000717 | 0.0075 | Standard | No Exceedance |
| 71D | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 0.0489 | 0.04 | Standard | Exceedance |
| 71D | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/27/25 | 8 | 100 | All ND - Last | 0.0002 | 0.002 | Standard | No Exceedance |
| 71D | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/27/25 | 8 | 50 | CB around linear reg | -0.00997 | 0.1 | Standard | No Exceedance |
| 71D | BCU | E008 | pH (field) | SU | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 6.9/7.4 | 6.3/9.0 | Background/Standard | No Exceedance |
| 71D | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/27/25 | 6 | 0 | CI around geomean | 1.18 | 7.00 | Background | No Exceedance |
| 71D | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 88 | CI around median | 0.001 | 0.05 | Standard | No Exceedance |
| 71D | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 42.8 | 400 | Standard | No Exceedance |
| 71D | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 100 | All ND - Last | 0.002 | 0.002 | Standard | No Exceedance |
| 71D | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CB around linear reg | 1,550 | 1,200 | Standard | Exceedance |

**TABLE 2.**
**EVALUATION OF COMPLIANCE - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

**Notes:**
Compliance Result:
No Exceedance: the statistical result did not exceed the GWPS.
Exceedance: The statistical result exceeded the GWPS.
Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC's (DMG's) operating permit application for the New East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.
Events:
NA
HSU = hydrostratigraphic unit:
BCU = Bedrock Confining Unit
UU = Upper Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
For pH, the values presented are the lower / upper limits
GWPS Source:
Background = background concentration
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

# FIGURES

COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL
PORE WATER WELL
STAFF GAGE, CCR UNIT
VIBRATING WIRE PIEZOMETER
CLOSED MONITORING WELL
REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
PROPERTY BOUNDARY

**NOTE:**
MONTORING WELL 10 WAS ABANDONED ON DECEMBER 10, 2024 AND WAS REPLACED WITH MONITORING WELL 10R ON DECEMBER 19, 2024.

0 150 300 Feet

## MONITORING WELL LOCATION MAP

**NEW EAST ASH POND**

VERMILION POWER PLANT
OAKWOOD, ILLINOIS

## FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\2285\MXD\845_Annual\GWM\2024\VER\AGWR_2024.aprx\Figure 1: VER 912 Monitoring Well Location Map

PROJECT: 169000XXXX | DATED: 4/23/2025 | DESIGNER: GALARNMC

# ATTACHMENTS

# ATTACHMENT A
# GROUNDWATER ELEVATION DATA
# QUARTER 1, 2025

**ATTACHMENT A.**
**GROUNDWATER ELEVATION DATA - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | Well Type | Date | Depth to Groundwater (feet BMP) | Groundwater Elevation (feet NAVD88) |
|---|---|---|---|---|
| 10R | Background | 02/24/2025 | 51.61 | 608.03 |
| 16B | Compliance | 02/24/2025 | Dry | Dry |
| 16A | Compliance | 02/24/2025 | 13.09 | 566.51 |
| 22 | Background | 02/24/2025 | 56.45 | 602.36 |
| 35S | Compliance | 02/25/2025 | 12.00 | 572.39 |
| 35D | Compliance | 02/25/2025 | 10.60 | 573.27 |
| 70S | Compliance | 02/24/2025 | 13.35 | 580.51 |
| 70D | Compliance | 02/24/2025 | 17.19 | 577.58 |
| 71S | Compliance | 02/24/2025 | 11.43 | 567.87 |
| 71D | Compliance | 02/24/2025 | 28.96 | 550.54 |
| NED1 | Water Level | 02/24/2025 | 4.31 | 595.93 |

**Notes:**
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM[1] = Depth to water was not measured.
DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
DM[3] = Depth to water was not measured because the location was inaccessible.
DM[4] = Depth to water was not measured because water level was below the top of the pump.
DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
DM[6] = Depth to water was not measured because of damage to the well.
DM[7] = Depth to water was not measured due to required pressure transducer maintenance.
DM[8] = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

# ATTACHMENT B
# LABORATORY REPORTS AND FIELD DATA SHEETS
# QUARTER 1, 2025

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brian Voelker
Vistra Energy Corp
133 S 4th, Suite 206
Springfield, Illinois 62701

Generated 03/18/25 12:36:56

## JOB DESCRIPTION

VER-25Q1
VER_845_912

## JOB NUMBER

500-264493-4

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.



my EOL

# Eurofins Chicago

## 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 Chicago Project Manager.

## Authorization

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03/18/25 12:36:56

Authorized for release by
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(708)534-5200

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# Case Narrative

Client: Vistra Energy Corp
Project: VER-25Q1

Job ID: 500-264493-4

## Job ID: 500-264493-4 Eurofins Chicago

**Job Narrative**
**500-264493-4**

**Receipt**
The samples were received on 02/26/25 12:31. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.3º C, 1.9º C, 2.7º C, 2.8º C, 2.8º C, 3.2º C, 4.8º C and 4.8º C.

**Receipt Exceptions**
Samples for the following wells were unable to be collected and have no results reported for them:
Wells 16!B and 35#S were dry at the time of sampling.

**Metals**
Method 6020B: The method blank for preparation batch 500-808062 and analytical batch 500-808637 contained Sodium above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: NED1 (500-264493-17), (500-264493-C-17-C DU ^5), (500-264493-C-17-D MS ^5), (500-264493-C-17-E MSD ^5). Elevated reporting limits (RLs) are provided.

Method 6020B: The method blank for preparation batch 500-807898 and analytical batch 500-809424 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020B: The method blank for preparation batch 500-808468 and analytical batch 500-809424 contained Calcium above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-809599 was above the upper control limit. The affected analyte is: Beryllium. Sample results were below the reporting limit, and have been reported as qualified data.

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

**General Chemistry**
Method 300.0: The continuing calibration verification (CCV) associated with batch 500-809166 recovered above the upper control limit for Sulfate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: FB (500-264493-31) and (CCV 500-809166/25).

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

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 16A — Lab Sample ID: 500-264493-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.032 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.00050 | J | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.30 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.86 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 37 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00025 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 22 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.9 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 200 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 130 | | 10 | 4.2 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate | 8.9 | | 1.0 | 0.47 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 380 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 640 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.85 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 13.09 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.52 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.0 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -110.8 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.11 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1198 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 12.31 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 16A_FD — Lab Sample ID: 500-264493-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.033 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.00044 | J | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.30 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.87 | B | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 35 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00020 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 20 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.9 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 200 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 140 | | 10 | 4.2 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate | 2.8 | | 1.0 | 0.47 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 370 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 590 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 16A_FD (Continued) — Lab Sample ID: 500-264493-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.86 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 13.09 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.52 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.0 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -110.8 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.11 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1198 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 12.31 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 70&D — Lab Sample ID: 500-264493-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.096 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.00023 | J | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.54 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 1.4 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 90 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00028 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 52 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 6.1 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 480 | B | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 650 | | 20 | 8.4 | mg/L | 20 | | 300.0 | Total/NA |
| Sulfate | 20 | | 1.0 | 0.47 | mg/L | 1 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 510 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1600 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.52 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 17.49 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 6.75 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 11.8 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -10.6 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.08 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 3262 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 180.64 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 70#S — Lab Sample ID: 500-264493-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.020 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.00024 | J | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.016 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.54 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 70#S (Continued) — Lab Sample ID: 500-264493-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Cadmium | 0.00020 | J | 0.00050 | 0.00017 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 210 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 86 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.0035 | J | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 2.0 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 19 | B | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 11 | | 1.0 | 0.42 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 500 | | 20 | 9.4 | mg/L | 20 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 330 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 1000 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.17 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 13.55 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 6.76 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -14.6 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.05 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1527 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 5.54 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: NED1 — Lab Sample ID: 500-264493-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.27 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.052 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.067 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 8.0 | | 0.25 | 0.064 | mg/L | 5 | | 6020B | Total Recoverable |
| Calcium | 490 | | 1.0 | 0.22 | mg/L | 5 | | 6020B | Total Recoverable |
| Magnesium | 44 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.031 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 21 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 55 | B | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 10 | | 1.0 | 0.42 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 1200 | | 100 | 47 | mg/L | 100 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 140 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 2000 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.13 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 4.23 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.60 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 9.9 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -195.2 | | | | millivolts | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: NED1 (Continued) — Lab Sample ID: 500-264493-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Oxygen, Dissolved | 0.05 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 2356 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 2.69 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 22 — Lab Sample ID: 500-264493-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.085 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0068 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.27 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Beryllium | 0.0021 | | 0.0010 | 0.00053 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.42 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 49 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.058 | | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.022 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.016 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 36 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.0050 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 10 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Selenium | 0.0025 | | 0.0025 | 0.00098 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 120 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 14 | | 10 | 4.2 | mg/L | 10 | | 300.0 | Total/NA |
| Sulfate | 30 | | 10 | 4.7 | mg/L | 10 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 400 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 570 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.37 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 56.41 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.35 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 12.6 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -86.9 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.49 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 853 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 2690.21 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 35&D — Lab Sample ID: 500-264493-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.13 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0016 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 35&D (Continued) — Lab Sample ID: 500-264493-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 0.025 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 1.8 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 89 | B | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0034 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00089 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00031 | J | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 76 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.0048 | J | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 8.1 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Selenium | 0.0012 | J | 0.0025 | 0.00098 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 940 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 440 | | 20 | 8.4 | mg/L | 20 | | 300.0 | Total/NA |
| Sulfate | 1200 | | 50 | 23 | mg/L | 50 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 610 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 3000 | | 17 | 7.2 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.75 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 11.50 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.66 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 9.2 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | 210.9 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.04 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 5083 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 9.31 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 71&D — Lab Sample ID: 500-264493-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.10 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.00033 | J | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.41 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 1.5 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 61 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0023 | J | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.00081 | J | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.00078 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 46 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 71&D (Continued) — Lab Sample ID: 500-264493-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Potassium | 7.0 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 770 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 660 | | 50 | 21 | mg/L | 50 | | 300.0 | Total/NA |
| Sulfate | 66 | | 5.0 | 2.3 | mg/L | 5 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 800 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 2100 | | 13 | 5.4 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.45 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 28.89 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.24 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 9.6 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | 109.4 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 2.11 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 2462 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 9.43 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: 71#S — Lab Sample ID: 500-264493-29

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.0081 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0019 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.044 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.27 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 140 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0011 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 63 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.0027 | J | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 0.34 | J | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 9.0 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 5.4 | | 5.0 | 2.1 | mg/L | 5 | | 300.0 | Total/NA |
| Sulfate | 67 | | 5.0 | 2.3 | mg/L | 5 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 480 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 600 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.16 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 11.17 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 6.91 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 6.1 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | 5.6 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.34 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1080 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 2.79 | | | | NTU | 1 | | Field Sampling | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 10R — Lab Sample ID: 500-264493-30

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.020 | | 0.0050 | 0.0020 | mg/L | 1 | | 200.7 Rev 4.4 | Total Recoverable |
| Arsenic | 0.0074 | | 0.0010 | 0.00023 | mg/L | 1 | | 6020B | Total Recoverable |
| Barium | 0.17 | | 0.0025 | 0.00073 | mg/L | 1 | | 6020B | Total Recoverable |
| Boron | 0.13 | | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Calcium | 140 | | 0.20 | 0.044 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0067 | | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |
| Cobalt | 0.0025 | | 0.0010 | 0.00040 | mg/L | 1 | | 6020B | Total Recoverable |
| Lead | 0.0036 | | 0.00050 | 0.00019 | mg/L | 1 | | 6020B | Total Recoverable |
| Magnesium | 64 | | 0.20 | 0.049 | mg/L | 1 | | 6020B | Total Recoverable |
| Molybdenum | 0.011 | | 0.0050 | 0.0025 | mg/L | 1 | | 6020B | Total Recoverable |
| Potassium | 7.0 | | 0.50 | 0.11 | mg/L | 1 | | 6020B | Total Recoverable |
| Sodium | 16 | | 0.20 | 0.077 | mg/L | 1 | | 6020B | Total Recoverable |
| Chloride | 5.4 | | 5.0 | 2.1 | mg/L | 5 | | 300.0 | Total/NA |
| Sulfate | 120 | | 10 | 4.7 | mg/L | 10 | | 300.0 | Total/NA |
| Bicarbonate Alkalinity as CaCO3 | 460 | | 5.0 | 3.7 | mg/L | 1 | | SM 2320B | Total/NA |
| Total Dissolved Solids | 630 | | 10 | 4.3 | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.29 | | 0.10 | 0.056 | mg/L | 1 | | SM 4500 F C | Total/NA |
| Depth to Water (ft from MP) | 52.46 | | | | ft | 1 | | Field Sampling | Total/NA |
| Field pH | 7.11 | | | | SU | 1 | | Field Sampling | Total/NA |
| Field Temperature | 13.7 | | | | Degrees C | 1 | | Field Sampling | Total/NA |
| Oxidation Reduction Potential | -120.7 | | | | millivolts | 1 | | Field Sampling | Total/NA |
| Oxygen, Dissolved | 0.07 | | | | mg/L | 1 | | Field Sampling | Total/NA |
| Specific Conductance | 1057 | | | | umhos/cm | 1 | | Field Sampling | Total/NA |
| Turbidity | 252.72 | | | | NTU | 1 | | Field Sampling | Total/NA |

## Client Sample ID: FB — Lab Sample ID: 500-264493-31

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.013 | J | 0.050 | 0.013 | mg/L | 1 | | 6020B | Total Recoverable |
| Chromium | 0.0072 | | 0.0050 | 0.0011 | mg/L | 1 | | 6020B | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 200.7 Rev 4.4 | Metals (ICP) | EPA | EET CHI |
| 6020B | Metals (ICP/MS) | SW846 | EET CHI |
| 7470A | Mercury (CVAA) | SW846 | EET CHI |
| 300.0 | Anions, Ion Chromatography | EPA | EET CHI |
| SM 2320B | Alkalinity | SM | EET CHI |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | EET CHI |
| SM 4500 F C | Fluoride | SM | EET CHI |
| Field Sampling | Field Sampling | EPA | EET CHI |
| 200.7 | Preparation, Total Recoverable Metals | EPA | EET CHI |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET CHI |
| 7470A | Preparation, Mercury | SW846 | EET CHI |

**Protocol References:**

EPA = US Environmental Protection Agency

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

# Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 500-264493-1 | 16A | Water | 02/25/25 12:50 | 02/26/25 12:31 |
| 500-264493-2 | 16A_FD | Water | 02/25/25 12:55 | 02/26/25 12:31 |
| 500-264493-14 | 70&D | Water | 02/26/25 14:55 | 02/27/25 12:49 |
| 500-264493-15 | 70#S | Water | 02/26/25 14:15 | 02/27/25 12:49 |
| 500-264493-17 | NED1 | Water | 02/26/25 16:45 | 02/27/25 12:49 |
| 500-264493-22 | 22 | Water | 02/27/25 15:15 | 02/28/25 13:18 |
| 500-264493-23 | 35&D | Water | 02/27/25 10:55 | 02/28/25 13:18 |
| 500-264493-28 | 71&D | Water | 02/27/25 10:05 | 02/28/25 13:18 |
| 500-264493-29 | 71#S | Water | 02/27/25 09:00 | 02/28/25 13:18 |
| 500-264493-30 | 10R | Water | 02/28/25 09:45 | 02/28/25 16:15 |
| 500-264493-31 | FB | Water | 02/28/25 08:20 | 02/28/25 16:15 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 16A

**Date Collected: 02/25/25 12:50**
**Date Received: 02/26/25 12:31**

## Lab Sample ID: 500-264493-1

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Lithium** | **0.032** | | 0.0050 | 0.0020 | mg/L | | 02/28/25 08:24 | 03/11/25 17:11 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Arsenic** | **0.00050** | **J** | 0.0010 | 0.00023 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Barium** | **0.30** | | 0.0025 | 0.00073 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Boron** | **0.86** | **B** | 0.050 | 0.013 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Calcium** | **37** | | 0.20 | 0.044 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Lead** | **0.00025** | **J** | 0.00050 | 0.00019 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Magnesium** | **22** | | 0.20 | 0.049 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Potassium** | **2.9** | | 0.50 | 0.11 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| **Sodium** | **200** | | 0.20 | 0.077 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/27/25 08:23 | 03/10/25 12:45 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 02/27/25 13:40 | 02/28/25 10:45 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **130** | | 10 | 4.2 | mg/L | | | 03/11/25 20:33 | 10 |
| **Sulfate (EPA 300.0)** | **8.9** | | 1.0 | 0.47 | mg/L | | | 03/08/25 16:48 | 1 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **380** | | 5.0 | 3.7 | mg/L | | | 02/28/25 09:51 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 09:51 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **640** | | 10 | 4.3 | mg/L | | | 02/28/25 12:31 | 1 |
| **Fluoride (SM 4500 F C)** | **0.85** | | 0.10 | 0.056 | mg/L | | | 03/06/25 15:30 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **13.09** | | | | ft | | | 02/25/25 12:50 | 1 |
| **Field pH** | **7.52** | | | | SU | | | 02/25/25 12:50 | 1 |
| **Field Temperature** | **12.0** | | | | Degrees C | | | 02/25/25 12:50 | 1 |
| **Oxidation Reduction Potential** | **-110.8** | | | | millivolts | | | 02/25/25 12:50 | 1 |
| **Oxygen, Dissolved** | **0.11** | | | | mg/L | | | 02/25/25 12:50 | 1 |
| **Specific Conductance** | **1198** | | | | umhos/cm | | | 02/25/25 12:50 | 1 |
| **Turbidity** | **12.31** | | | | NTU | | | 02/25/25 12:50 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 16A_FD

**Date Collected: 02/25/25 12:55**
**Date Received: 02/26/25 12:31**

## Lab Sample ID: 500-264493-2

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Lithium** | **0.033** | | 0.0050 | 0.0020 | mg/L | | 02/28/25 08:24 | 03/11/25 17:16 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Arsenic** | **0.00044** | **J** | 0.0010 | 0.00023 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Barium** | **0.30** | | 0.0025 | 0.00073 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Boron** | **0.87** | **B** | 0.050 | 0.013 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Calcium** | **35** | | 0.20 | 0.044 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Lead** | **0.00020** | **J** | 0.00050 | 0.00019 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Magnesium** | **20** | | 0.20 | 0.049 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Potassium** | **2.9** | | 0.50 | 0.11 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| **Sodium** | **200** | | 0.20 | 0.077 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/27/25 08:23 | 03/10/25 12:50 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 02/27/25 13:40 | 02/28/25 10:47 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **140** | | 10 | 4.2 | mg/L | | | 03/11/25 20:49 | 10 |
| **Sulfate (EPA 300.0)** | **2.8** | | 1.0 | 0.47 | mg/L | | | 03/08/25 17:03 | 1 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **370** | | 5.0 | 3.7 | mg/L | | | 02/28/25 10:01 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 10:01 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **590** | | 10 | 4.3 | mg/L | | | 02/28/25 12:35 | 1 |
| **Fluoride (SM 4500 F C)** | **0.86** | | 0.10 | 0.056 | mg/L | | | 03/06/25 15:34 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **13.09** | | | | ft | | | 02/25/25 12:55 | 1 |
| **Field pH** | **7.52** | | | | SU | | | 02/25/25 12:55 | 1 |
| **Field Temperature** | **12.0** | | | | Degrees C | | | 02/25/25 12:55 | 1 |
| **Oxidation Reduction Potential** | **-110.8** | | | | millivolts | | | 02/25/25 12:55 | 1 |
| **Oxygen, Dissolved** | **0.11** | | | | mg/L | | | 02/25/25 12:55 | 1 |
| **Specific Conductance** | **1198** | | | | umhos/cm | | | 02/25/25 12:55 | 1 |
| **Turbidity** | **12.31** | | | | NTU | | | 02/25/25 12:55 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 70&D

**Date Collected: 02/26/25 14:55**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-14

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Lithium** | **0.096** | | 0.0050 | 0.0020 | mg/L | | 02/28/25 08:24 | 03/11/25 18:45 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Arsenic** | **0.00023** | **J** | 0.0010 | 0.00023 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Barium** | **0.54** | | 0.0025 | 0.00073 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Boron** | **1.4** | | 0.050 | 0.013 | mg/L | | 02/28/25 08:28 | 03/06/25 11:48 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Calcium** | **90** | | 0.20 | 0.044 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Lead** | **0.00028** | **J** | 0.00050 | 0.00019 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Magnesium** | **52** | | 0.20 | 0.049 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Potassium** | **6.1** | | 0.50 | 0.11 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| **Sodium** | **480** | **B** | 0.20 | 0.077 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/28/25 08:28 | 03/04/25 14:49 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/03/25 12:15 | 03/04/25 10:41 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **650** | | 20 | 8.4 | mg/L | | | 03/08/25 21:45 | 20 |
| **Sulfate (EPA 300.0)** | **20** | | 1.0 | 0.47 | mg/L | | | 03/08/25 20:59 | 1 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **510** | | 5.0 | 3.7 | mg/L | | | 02/28/25 12:13 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 12:13 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **1600** | | 10 | 4.3 | mg/L | | | 03/04/25 09:52 | 1 |
| **Fluoride (SM 4500 F C)** | **0.52** | | 0.10 | 0.056 | mg/L | | | 03/06/25 17:01 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **17.49** | | | | ft | | | 02/26/25 14:55 | 1 |
| **Field pH** | **6.75** | | | | SU | | | 02/26/25 14:55 | 1 |
| **Field Temperature** | **11.8** | | | | Degrees C | | | 02/26/25 14:55 | 1 |
| **Oxidation Reduction Potential** | **-10.6** | | | | millivolts | | | 02/26/25 14:55 | 1 |
| **Oxygen, Dissolved** | **0.08** | | | | mg/L | | | 02/26/25 14:55 | 1 |
| **Specific Conductance** | **3262** | | | | umhos/cm | | | 02/26/25 14:55 | 1 |
| **Turbidity** | **180.64** | | | | NTU | | | 02/26/25 14:55 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 70#S

**Date Collected: 02/26/25 14:15**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-15

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.020 | | 0.0050 | 0.0020 | mg/L | | 02/28/25 08:24 | 03/11/25 18:50 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Arsenic | 0.00024 | J | 0.0010 | 0.00023 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Barium | 0.016 | | 0.0025 | 0.00073 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Boron | 0.54 | | 0.050 | 0.013 | mg/L | | 02/28/25 08:28 | 03/06/25 11:50 | 1 |
| Cadmium | 0.00020 | J | 0.00050 | 0.00017 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Calcium | 210 | | 0.20 | 0.044 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Magnesium | 86 | | 0.20 | 0.049 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Molybdenum | 0.0035 | J | 0.0050 | 0.0025 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Potassium | 2.0 | | 0.50 | 0.11 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Sodium | 19 | B | 0.20 | 0.077 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/28/25 08:28 | 03/04/25 14:51 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/03/25 12:15 | 03/04/25 10:43 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 11 | | 1.0 | 0.42 | mg/L | | | 03/08/25 22:01 | 1 |
| Sulfate (EPA 300.0) | 500 | | 20 | 9.4 | mg/L | | | 03/08/25 22:16 | 20 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 330 | | 5.0 | 3.7 | mg/L | | | 02/28/25 12:24 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 12:24 | 1 |
| Total Dissolved Solids (SM 2540C) | 1000 | | 10 | 4.3 | mg/L | | | 03/04/25 13:19 | 1 |
| Fluoride (SM 4500 F C) | 0.17 | | 0.10 | 0.056 | mg/L | | | 03/06/25 17:15 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 13.55 | | | | ft | | | 02/26/25 14:15 | 1 |
| Field pH | 6.76 | | | | SU | | | 02/26/25 14:15 | 1 |
| Field Temperature | 12.1 | | | | Degrees C | | | 02/26/25 14:15 | 1 |
| Oxidation Reduction Potential | -14.6 | | | | millivolts | | | 02/26/25 14:15 | 1 |
| Oxygen, Dissolved | 0.05 | | | | mg/L | | | 02/26/25 14:15 | 1 |
| Specific Conductance | 1527 | | | | umhos/cm | | | 02/26/25 14:15 | 1 |
| Turbidity | 5.54 | | | | NTU | | | 02/26/25 14:15 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: NED1

**Date Collected: 02/26/25 16:45**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-17

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.27 | | 0.0050 | 0.0020 | mg/L | | 02/28/25 08:24 | 03/11/25 18:59 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Arsenic | 0.052 | | 0.0010 | 0.00023 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Barium | 0.067 | | 0.0025 | 0.00073 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Boron | 8.0 | | 0.25 | 0.064 | mg/L | | 02/28/25 08:28 | 03/06/25 11:55 | 5 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Calcium | 490 | | 1.0 | 0.22 | mg/L | | 02/28/25 08:28 | 03/06/25 11:55 | 5 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Magnesium | 44 | | 0.20 | 0.049 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Molybdenum | 0.031 | | 0.0050 | 0.0025 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Potassium | 21 | | 0.50 | 0.11 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Sodium | 55 | B | 0.20 | 0.077 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/28/25 08:28 | 03/04/25 15:11 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/03/25 12:15 | 03/04/25 10:47 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 10 | | 1.0 | 0.42 | mg/L | | | 03/08/25 22:48 | 1 |
| Sulfate (EPA 300.0) | 1200 | | 100 | 47 | mg/L | | | 03/08/25 23:03 | 100 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 140 | | 5.0 | 3.7 | mg/L | | | 02/28/25 12:45 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 12:45 | 1 |
| Total Dissolved Solids (SM 2540C) | 2000 | | 10 | 4.3 | mg/L | | | 03/04/25 13:24 | 1 |
| Fluoride (SM 4500 F C) | 0.13 | | 0.10 | 0.056 | mg/L | | | 03/06/25 17:25 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 4.23 | | | | ft | | | 02/26/25 16:45 | 1 |
| Field pH | 7.60 | | | | SU | | | 02/26/25 16:45 | 1 |
| Field Temperature | 9.9 | | | | Degrees C | | | 02/26/25 16:45 | 1 |
| Oxidation Reduction Potential | -195.2 | | | | millivolts | | | 02/26/25 16:45 | 1 |
| Oxygen, Dissolved | 0.05 | | | | mg/L | | | 02/26/25 16:45 | 1 |
| Specific Conductance | 2356 | | | | umhos/cm | | | 02/26/25 16:45 | 1 |
| Turbidity | 2.69 | | | | NTU | | | 02/26/25 16:45 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 22

**Date Collected: 02/27/25 15:15**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-22

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.085 | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 15:17 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Arsenic | 0.0068 | | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Barium | 0.27 | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Beryllium | 0.0021 | | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Boron | 0.42 | | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 14:51 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Calcium | 49 | B | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Chromium | 0.058 | | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Cobalt | 0.022 | | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Lead | 0.016 | | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Magnesium | 36 | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Molybdenum | 0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Potassium | 10 | | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Selenium | 0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Sodium | 120 | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/10/25 14:46 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 10:52 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 14 | | 10 | 4.2 | mg/L | | | 03/09/25 01:23 | 10 |
| Sulfate (EPA 300.0) | 30 | | 10 | 4.7 | mg/L | | | 03/09/25 01:23 | 10 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 400 | | 5.0 | 3.7 | mg/L | | | 03/05/25 12:53 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 12:53 | 1 |
| Total Dissolved Solids (SM 2540C) | 570 | | 10 | 4.3 | mg/L | | | 03/06/25 15:37 | 1 |
| Fluoride (SM 4500 F C) | 0.37 | | 0.10 | 0.056 | mg/L | | | 03/10/25 13:20 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 56.41 | | | | ft | | | 02/27/25 15:15 | 1 |
| Field pH | 7.35 | | | | SU | | | 02/27/25 15:15 | 1 |
| Field Temperature | 12.6 | | | | Degrees C | | | 02/27/25 15:15 | 1 |
| Oxidation Reduction Potential | -86.9 | | | | millivolts | | | 02/27/25 15:15 | 1 |
| Oxygen, Dissolved | 0.49 | | | | mg/L | | | 02/27/25 15:15 | 1 |
| Specific Conductance | 853 | | | | umhos/cm | | | 02/27/25 15:15 | 1 |
| Turbidity | 2690.21 | | | | NTU | | | 02/27/25 15:15 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 35&D

**Date Collected: 02/27/25 10:55**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-23

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.13 | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 15:30 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Arsenic | 0.0016 | | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Barium | 0.025 | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Boron | 1.8 | | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 14:59 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Calcium | 89 | B | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Chromium | 0.0034 | J | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Cobalt | 0.00089 | J | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Lead | 0.00031 | J | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Magnesium | 76 | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Molybdenum | 0.0048 | J | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Potassium | 8.1 | | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Selenium | 0.0012 | J | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Sodium | 940 | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/10/25 14:49 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 10:54 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 440 | | 20 | 8.4 | mg/L | | | 03/09/25 03:26 | 20 |
| Sulfate (EPA 300.0) | 1200 | | 50 | 23 | mg/L | | | 03/12/25 05:39 | 50 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 610 | | 5.0 | 3.7 | mg/L | | | 03/05/25 12:41 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 12:41 | 1 |
| Total Dissolved Solids (SM 2540C) | 3000 | | 17 | 7.2 | mg/L | | | 03/06/25 15:38 | 1 |
| Fluoride (SM 4500 F C) | 0.75 | | 0.10 | 0.056 | mg/L | | | 03/10/25 13:24 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 11.50 | | | | ft | | | 02/27/25 10:55 | 1 |
| Field pH | 7.66 | | | | SU | | | 02/27/25 10:55 | 1 |
| Field Temperature | 9.2 | | | | Degrees C | | | 02/27/25 10:55 | 1 |
| Oxidation Reduction Potential | 210.9 | | | | millivolts | | | 02/27/25 10:55 | 1 |
| Oxygen, Dissolved | 0.04 | | | | mg/L | | | 02/27/25 10:55 | 1 |
| Specific Conductance | 5083 | | | | umhos/cm | | | 02/27/25 10:55 | 1 |
| Turbidity | 9.31 | | | | NTU | | | 02/27/25 10:55 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 71&D

**Date Collected: 02/27/25 10:05**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-28

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.10 | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 16:10 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Arsenic | 0.00033 | J | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Barium | 0.41 | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Boron | 1.5 | | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Calcium | 61 | | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Chromium | 0.0023 | J | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Cobalt | 0.00081 | J | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Lead | 0.00078 | | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Magnesium | 46 | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Potassium | 7.0 | | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Sodium | 770 | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/11/25 15:20 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 11:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 660 | | 50 | 21 | mg/L | | | 03/12/25 06:26 | 50 |
| Sulfate (EPA 300.0) | 66 | | 5.0 | 2.3 | mg/L | | | 03/09/25 08:06 | 5 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 800 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:39 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:39 | 1 |
| Total Dissolved Solids (SM 2540C) | 2100 | | 13 | 5.4 | mg/L | | | 03/06/25 15:49 | 1 |
| Fluoride (SM 4500 F C) | 0.45 | | 0.10 | 0.056 | mg/L | | | 03/10/25 14:13 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 28.89 | | | | ft | | | 02/27/25 10:05 | 1 |
| Field pH | 7.24 | | | | SU | | | 02/27/25 10:05 | 1 |
| Field Temperature | 9.6 | | | | Degrees C | | | 02/27/25 10:05 | 1 |
| Oxidation Reduction Potential | 109.4 | | | | millivolts | | | 02/27/25 10:05 | 1 |
| Oxygen, Dissolved | 2.11 | | | | mg/L | | | 02/27/25 10:05 | 1 |
| Specific Conductance | 2462 | | | | umhos/cm | | | 02/27/25 10:05 | 1 |
| Turbidity | 9.43 | | | | NTU | | | 02/27/25 10:05 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 71#S

**Date Collected: 02/27/25 09:00**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-29

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Lithium** | **0.0081** | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 16:24 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Arsenic** | **0.0019** | | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Barium** | **0.044** | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Boron** | **0.27** | | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Calcium** | **140** | | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Cobalt** | **0.0011** | | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Magnesium** | **63** | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Molybdenum** | **0.0027** | **J** | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Potassium** | **0.34** | **J** | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| **Sodium** | **9.0** | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/11/25 15:28 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 11:18 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride (EPA 300.0)** | **5.4** | | 5.0 | 2.1 | mg/L | | | 03/09/25 08:22 | 5 |
| **Sulfate (EPA 300.0)** | **67** | | 5.0 | 2.3 | mg/L | | | 03/09/25 08:22 | 5 |
| **Bicarbonate Alkalinity as CaCO3 (SM 2320B)** | **480** | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:28 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:28 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **600** | | 10 | 4.3 | mg/L | | | 03/06/25 15:51 | 1 |
| **Fluoride (SM 4500 F C)** | **0.16** | | 0.10 | 0.056 | mg/L | | | 03/10/25 14:17 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Depth to Water (ft from MP)** | **11.17** | | | | ft | | | 02/27/25 09:00 | 1 |
| **Field pH** | **6.91** | | | | SU | | | 02/27/25 09:00 | 1 |
| **Field Temperature** | **6.1** | | | | Degrees C | | | 02/27/25 09:00 | 1 |
| **Oxidation Reduction Potential** | **5.6** | | | | millivolts | | | 02/27/25 09:00 | 1 |
| **Oxygen, Dissolved** | **0.34** | | | | mg/L | | | 02/27/25 09:00 | 1 |
| **Specific Conductance** | **1080** | | | | umhos/cm | | | 02/27/25 09:00 | 1 |
| **Turbidity** | **2.79** | | | | NTU | | | 02/27/25 09:00 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 10R

**Date Collected: 02/28/25 09:45**
**Date Received: 02/28/25 16:15**

## Lab Sample ID: 500-264493-30

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | 0.020 | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 16:28 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Arsenic | 0.0074 | | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Barium | 0.17 | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Boron | 0.13 | | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Calcium | 140 | | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Chromium | 0.0067 | | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Cobalt | 0.0025 | | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Lead | 0.0036 | | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Magnesium | 64 | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Molybdenum | 0.011 | | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Potassium | 7.0 | | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Sodium | 16 | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/11/25 15:30 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 11:20 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | 5.4 | | 5.0 | 2.1 | mg/L | | | 03/09/25 09:09 | 5 |
| Sulfate (EPA 300.0) | 120 | | 10 | 4.7 | mg/L | | | 03/13/25 10:49 | 10 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | 460 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:17 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:17 | 1 |
| Total Dissolved Solids (SM 2540C) | 630 | | 10 | 4.3 | mg/L | | | 03/06/25 16:46 | 1 |
| Fluoride (SM 4500 F C) | 0.29 | | 0.10 | 0.056 | mg/L | | | 03/10/25 14:22 | 1 |

### Method: EPA Field Sampling - Field Sampling

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water (ft from MP) | 52.46 | | | | ft | | | 02/28/25 09:45 | 1 |
| Field pH | 7.11 | | | | SU | | | 02/28/25 09:45 | 1 |
| Field Temperature | 13.7 | | | | Degrees C | | | 02/28/25 09:45 | 1 |
| Oxidation Reduction Potential | -120.7 | | | | millivolts | | | 02/28/25 09:45 | 1 |
| Oxygen, Dissolved | 0.07 | | | | mg/L | | | 02/28/25 09:45 | 1 |
| Specific Conductance | 1057 | | | | umhos/cm | | | 02/28/25 09:45 | 1 |
| Turbidity | 252.72 | | | | NTU | | | 02/28/25 09:45 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: FB

**Date Collected: 02/28/25 08:20**
**Date Received: 02/28/25 16:15**

## Lab Sample ID: 500-264493-31

**Matrix: Water**

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 16:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Arsenic | <0.0010 | | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Barium | <0.0025 | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Beryllium | <0.0010 | ^1+ | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| **Boron** | **0.013** | **J** | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Calcium | <0.20 | | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| **Chromium** | **0.0072** | | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Magnesium | <0.20 | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Potassium | <0.50 | | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Sodium | <0.20 | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/11/25 15:33 | 1 |

### Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 11:23 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride (EPA 300.0) | <1.0 | | 1.0 | 0.42 | mg/L | | | 03/09/25 09:24 | 1 |
| Sulfate (EPA 300.0) | <1.0 | ^+ | 1.0 | 0.47 | mg/L | | | 03/09/25 09:24 | 1 |
| Bicarbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:13 | 1 |
| Carbonate Alkalinity as CaCO3 (SM 2320B) | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 11:13 | 1 |
| Total Dissolved Solids (SM 2540C) | <10 | | 10 | 4.3 | mg/L | | | 03/06/25 16:48 | 1 |
| Fluoride (SM 4500 F C) | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/10/25 14:27 | 1 |

# Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912



## Qualifiers

### Metals

| Qualifier | Qualifier Description |
|---|---|
| ^1+ | Initial Calibration Verification (ICV) is outside acceptance limits, high biased. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B | Compound was found in the blank and sample. |
| 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 |
|---|---|
| ^+ | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased. |

## Glossary

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

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Metals

### Prep Batch: 807898

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total Recoverable | Water | 3005A | |
| 500-264493-2 | 16A_FD | Total Recoverable | Water | 3005A | |
| MB 500-807898/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 500-807898/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |

### Prep Batch: 807952

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | 7470A | |
| 500-264493-2 | 16A_FD | Total/NA | Water | 7470A | |
| MB 500-807952/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 500-807952/13-A | Lab Control Sample | Total/NA | Water | 7470A | |

### Prep Batch: 808055

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total Recoverable | Water | 200.7 | |
| 500-264493-2 | 16A_FD | Total Recoverable | Water | 200.7 | |
| 500-264493-14 | 70&D | Total Recoverable | Water | 200.7 | |
| 500-264493-15 | 70#S | Total Recoverable | Water | 200.7 | |
| 500-264493-17 | NED1 | Total Recoverable | Water | 200.7 | |
| MB 500-808055/1-A | Method Blank | Total Recoverable | Water | 200.7 | |
| LCS 500-808055/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |

### Prep Batch: 808062

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total Recoverable | Water | 3005A | |
| 500-264493-15 | 70#S | Total Recoverable | Water | 3005A | |
| 500-264493-17 | NED1 | Total Recoverable | Water | 3005A | |
| MB 500-808062/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 500-808062/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 500-264493-17 MS | NED1 | Total Recoverable | Water | 3005A | |
| 500-264493-17 MSD | NED1 | Total Recoverable | Water | 3005A | |
| 500-264493-17 DU | NED1 | Total Recoverable | Water | 3005A | |

### Analysis Batch: 808139

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | 7470A | 807952 |
| 500-264493-2 | 16A_FD | Total/NA | Water | 7470A | 807952 |
| MB 500-807952/12-A | Method Blank | Total/NA | Water | 7470A | 807952 |
| LCS 500-807952/13-A | Lab Control Sample | Total/NA | Water | 7470A | 807952 |

### Prep Batch: 808381

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total/NA | Water | 7470A | |
| 500-264493-15 | 70#S | Total/NA | Water | 7470A | |
| 500-264493-17 | NED1 | Total/NA | Water | 7470A | |
| MB 500-808381/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 500-808381/13-A | Lab Control Sample | Total/NA | Water | 7470A | |

### Prep Batch: 808468

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total Recoverable | Water | 3005A | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Metals (Continued)

### Prep Batch: 808468 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-23 | 35&D | Total Recoverable | Water | 3005A | |
| 500-264493-28 | 71&D | Total Recoverable | Water | 3005A | |
| 500-264493-29 | 71#S | Total Recoverable | Water | 3005A | |
| 500-264493-30 | 10R | Total Recoverable | Water | 3005A | |
| 500-264493-31 | FB | Total Recoverable | Water | 3005A | |
| MB 500-808468/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 500-808468/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |

### Analysis Batch: 808547

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total/NA | Water | 7470A | 808381 |
| 500-264493-15 | 70#S | Total/NA | Water | 7470A | 808381 |
| 500-264493-17 | NED1 | Total/NA | Water | 7470A | 808381 |
| MB 500-808381/12-A | Method Blank | Total/NA | Water | 7470A | 808381 |
| LCS 500-808381/13-A | Lab Control Sample | Total/NA | Water | 7470A | 808381 |

### Analysis Batch: 808637

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-15 | 70#S | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 | NED1 | Total Recoverable | Water | 6020B | 808062 |
| MB 500-808062/1-A | Method Blank | Total Recoverable | Water | 6020B | 808062 |
| LCS 500-808062/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 MS | NED1 | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 MSD | NED1 | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 DU | NED1 | Total Recoverable | Water | 6020B | 808062 |

### Analysis Batch: 808948

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-15 | 70#S | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 | NED1 | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 MS | NED1 | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 MSD | NED1 | Total Recoverable | Water | 6020B | 808062 |
| 500-264493-17 DU | NED1 | Total Recoverable | Water | 6020B | 808062 |

### Prep Batch: 809019

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total Recoverable | Water | 200.7 | |
| 500-264493-23 | 35&D | Total Recoverable | Water | 200.7 | |
| 500-264493-28 | 71&D | Total Recoverable | Water | 200.7 | |
| 500-264493-29 | 71#S | Total Recoverable | Water | 200.7 | |
| 500-264493-30 | 10R | Total Recoverable | Water | 200.7 | |
| 500-264493-31 | FB | Total Recoverable | Water | 200.7 | |
| MB 500-809019/1-A | Method Blank | Total Recoverable | Water | 200.7 | |
| LCS 500-809019/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |

### Analysis Batch: 809405

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |
| 500-264493-23 | 35&D | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Metals (Continued)

### Analysis Batch: 809405 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-28 | 71&D | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |
| 500-264493-29 | 71#S | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |
| 500-264493-30 | 10R | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |
| 500-264493-31 | FB | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |
| MB 500-809019/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |
| LCS 500-809019/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 809019 |

### Analysis Batch: 809424

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total Recoverable | Water | 6020B | 807898 |
| 500-264493-2 | 16A_FD | Total Recoverable | Water | 6020B | 807898 |
| 500-264493-22 | 22 | Total Recoverable | Water | 6020B | 808468 |
| 500-264493-23 | 35&D | Total Recoverable | Water | 6020B | 808468 |
| MB 500-807898/1-A | Method Blank | Total Recoverable | Water | 6020B | 807898 |
| MB 500-808468/1-A | Method Blank | Total Recoverable | Water | 6020B | 808468 |
| LCS 500-807898/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 807898 |
| LCS 500-808468/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 808468 |

### Analysis Batch: 809570

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |
| 500-264493-2 | 16A_FD | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |
| 500-264493-14 | 70&D | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |
| 500-264493-15 | 70#S | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |
| 500-264493-17 | NED1 | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |
| MB 500-808055/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |
| LCS 500-808055/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 808055 |

### Analysis Batch: 809599

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total Recoverable | Water | 6020B | 808468 |
| 500-264493-23 | 35&D | Total Recoverable | Water | 6020B | 808468 |
| 500-264493-28 | 71&D | Total Recoverable | Water | 6020B | 808468 |
| 500-264493-29 | 71#S | Total Recoverable | Water | 6020B | 808468 |
| 500-264493-30 | 10R | Total Recoverable | Water | 6020B | 808468 |
| 500-264493-31 | FB | Total Recoverable | Water | 6020B | 808468 |
| MB 500-808468/1-A | Method Blank | Total Recoverable | Water | 6020B | 808468 |
| LCS 500-808468/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 808468 |

### Prep Batch: 809826

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total/NA | Water | 7470A | |
| 500-264493-23 | 35&D | Total/NA | Water | 7470A | |
| 500-264493-28 | 71&D | Total/NA | Water | 7470A | |
| 500-264493-29 | 71#S | Total/NA | Water | 7470A | |
| 500-264493-30 | 10R | Total/NA | Water | 7470A | |
| 500-264493-31 | FB | Total/NA | Water | 7470A | |
| MB 500-809826/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 500-809826/13-A | Lab Control Sample | Total/NA | Water | 7470A | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Metals

### Analysis Batch: 809970

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total/NA | Water | 7470A | 809826 |
| 500-264493-23 | 35&D | Total/NA | Water | 7470A | 809826 |
| 500-264493-28 | 71&D | Total/NA | Water | 7470A | 809826 |
| 500-264493-29 | 71#S | Total/NA | Water | 7470A | 809826 |
| 500-264493-30 | 10R | Total/NA | Water | 7470A | 809826 |
| 500-264493-31 | FB | Total/NA | Water | 7470A | 809826 |
| MB 500-809826/12-A | Method Blank | Total/NA | Water | 7470A | 809826 |
| LCS 500-809826/13-A | Lab Control Sample | Total/NA | Water | 7470A | 809826 |

## General Chemistry

### Analysis Batch: 808095

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | SM 2540C | |
| 500-264493-2 | 16A_FD | Total/NA | Water | SM 2540C | |
| MB 500-808095/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-808095/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 808295

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | SM 2320B | |
| 500-264493-2 | 16A_FD | Total/NA | Water | SM 2320B | |
| 500-264493-14 | 70&D | Total/NA | Water | SM 2320B | |
| 500-264493-15 | 70#S | Total/NA | Water | SM 2320B | |
| 500-264493-17 | NED1 | Total/NA | Water | SM 2320B | |
| MB 500-808295/3 | Method Blank | Total/NA | Water | SM 2320B | |
| LCS 500-808295/4 | Lab Control Sample | Total/NA | Water | SM 2320B | |

### Analysis Batch: 808495

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total/NA | Water | SM 2540C | |
| MB 500-808495/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-808495/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 808561

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-15 | 70#S | Total/NA | Water | SM 2540C | |
| 500-264493-17 | NED1 | Total/NA | Water | SM 2540C | |
| MB 500-808561/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-808561/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 808783

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total/NA | Water | SM 2320B | |
| 500-264493-23 | 35&D | Total/NA | Water | SM 2320B | |
| 500-264493-28 | 71&D | Total/NA | Water | SM 2320B | |
| 500-264493-29 | 71#S | Total/NA | Water | SM 2320B | |
| 500-264493-30 | 10R | Total/NA | Water | SM 2320B | |
| 500-264493-31 | FB | Total/NA | Water | SM 2320B | |
| MB 500-808783/3 | Method Blank | Total/NA | Water | SM 2320B | |
| LCS 500-808783/4 | Lab Control Sample | Total/NA | Water | SM 2320B | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## General Chemistry

### Analysis Batch: 808956

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total/NA | Water | SM 2540C | |
| 500-264493-23 | 35&D | Total/NA | Water | SM 2540C | |
| 500-264493-28 | 71&D | Total/NA | Water | SM 2540C | |
| 500-264493-29 | 71#S | Total/NA | Water | SM 2540C | |
| MB 500-808956/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-808956/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 808970

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | 300.0 | |
| 500-264493-2 | 16A_FD | Total/NA | Water | 300.0 | |
| MB 500-808970/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-808970/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 808973

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-30 | 10R | Total/NA | Water | SM 2540C | |
| 500-264493-31 | FB | Total/NA | Water | SM 2540C | |
| MB 500-808973/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-808973/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

### Analysis Batch: 809059

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | SM 4500 F C | |
| 500-264493-2 | 16A_FD | Total/NA | Water | SM 4500 F C | |
| 500-264493-14 | 70&D | Total/NA | Water | SM 4500 F C | |
| 500-264493-15 | 70#S | Total/NA | Water | SM 4500 F C | |
| 500-264493-17 | NED1 | Total/NA | Water | SM 4500 F C | |
| MB 500-809059/31 | Method Blank | Total/NA | Water | SM 4500 F C | |
| MB 500-809059/59 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 500-809059/32 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| LCS 500-809059/60 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 500-264493-14 MS | 70&D | Total/NA | Water | SM 4500 F C | |
| 500-264493-14 MSD | 70&D | Total/NA | Water | SM 4500 F C | |

### Analysis Batch: 809166

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-28 | 71&D | Total/NA | Water | 300.0 | |
| 500-264493-29 | 71#S | Total/NA | Water | 300.0 | |
| 500-264493-30 | 10R | Total/NA | Water | 300.0 | |
| 500-264493-31 | FB | Total/NA | Water | 300.0 | |
| MB 500-809166/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-809166/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 809168

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-14 | 70&D | Total/NA | Water | 300.0 | |
| 500-264493-14 | 70&D | Total/NA | Water | 300.0 | |
| 500-264493-15 | 70#S | Total/NA | Water | 300.0 | |
| 500-264493-15 | 70#S | Total/NA | Water | 300.0 | |
| 500-264493-17 | NED1 | Total/NA | Water | 300.0 | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## General Chemistry (Continued)

### Analysis Batch: 809168 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-17 | NED1 | Total/NA | Water | 300.0 | |
| 500-264493-22 | 22 | Total/NA | Water | 300.0 | |
| 500-264493-23 | 35&D | Total/NA | Water | 300.0 | |
| MB 500-809168/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-809168/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| 500-264493-22 MS | 22 | Total/NA | Water | 300.0 | |
| 500-264493-22 MSD | 22 | Total/NA | Water | 300.0 | |

### Analysis Batch: 809378

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-22 | 22 | Total/NA | Water | SM 4500 F C | |
| 500-264493-23 | 35&D | Total/NA | Water | SM 4500 F C | |
| 500-264493-28 | 71&D | Total/NA | Water | SM 4500 F C | |
| 500-264493-29 | 71#S | Total/NA | Water | SM 4500 F C | |
| 500-264493-30 | 10R | Total/NA | Water | SM 4500 F C | |
| 500-264493-31 | FB | Total/NA | Water | SM 4500 F C | |
| MB 500-809378/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| MB 500-809378/31 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 500-809378/32 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| LCS 500-809378/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |

### Analysis Batch: 809458

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | 300.0 | |
| 500-264493-2 | 16A_FD | Total/NA | Water | 300.0 | |
| MB 500-809458/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-809458/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 809526

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-23 | 35&D | Total/NA | Water | 300.0 | |
| 500-264493-28 | 71&D | Total/NA | Water | 300.0 | |
| MB 500-809526/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-809526/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 809688

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-30 | 10R | Total/NA | Water | 300.0 | |
| MB 500-809688/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-809688/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

## Field Service / Mobile Lab

### Analysis Batch: 809476

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | Field Sampling | |
| 500-264493-2 | 16A_FD | Total/NA | Water | Field Sampling | |
| 500-264493-14 | 70&D | Total/NA | Water | Field Sampling | |
| 500-264493-15 | 70#S | Total/NA | Water | Field Sampling | |
| 500-264493-17 | NED1 | Total/NA | Water | Field Sampling | |
| 500-264493-22 | 22 | Total/NA | Water | Field Sampling | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 809476 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-23 | 35&D | Total/NA | Water | Field Sampling | |
| 500-264493-28 | 71&D | Total/NA | Water | Field Sampling | |
| 500-264493-29 | 71#S | Total/NA | Water | Field Sampling | |
| 500-264493-30 | 10R | Total/NA | Water | Field Sampling | |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Method: 200.7 Rev 4.4 - Metals (ICP)

**Lab Sample ID: MB 500-808055/1-A**
**Matrix: Water**
**Analysis Batch: 809570**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 808055**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 02/28/25 08:24 | 03/11/25 16:53 | 1 |

**Lab Sample ID: LCS 500-808055/2-A**
**Matrix: Water**
**Analysis Batch: 809570**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 808055**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lithium | 0.250 | 0.260 | | mg/L | | 104 | 85 - 115 |

**Lab Sample ID: MB 500-809019/1-A**
**Matrix: Water**
**Analysis Batch: 809405**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 809019**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lithium | <0.0050 | | 0.0050 | 0.0020 | mg/L | | 03/07/25 08:19 | 03/10/25 13:15 | 1 |

**Lab Sample ID: LCS 500-809019/2-A**
**Matrix: Water**
**Analysis Batch: 809405**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 809019**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lithium | 0.250 | 0.252 | | mg/L | | 101 | 85 - 115 |

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

**Lab Sample ID: MB 500-807898/1-A**
**Matrix: Water**
**Analysis Batch: 809424**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 807898**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Arsenic | <0.0010 | | 0.0010 | 0.00023 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Barium | <0.0025 | | 0.0025 | 0.00073 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Boron | 0.0183 | J | 0.050 | 0.013 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Calcium | <0.20 | | 0.20 | 0.044 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Magnesium | <0.20 | | 0.20 | 0.049 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Potassium | <0.50 | | 0.50 | 0.11 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Sodium | <0.20 | | 0.20 | 0.077 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/27/25 08:23 | 03/10/25 12:40 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

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

**Lab Sample ID: LCS 500-807898/2-A**
**Matrix: Water**
**Analysis Batch: 809424**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 807898**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 0.500 | 0.532 | | mg/L | | 106 | 80 - 120 |
| Arsenic | 0.100 | 0.102 | | mg/L | | 102 | 80 - 120 |
| Barium | 0.500 | 0.525 | | mg/L | | 105 | 80 - 120 |
| Beryllium | 0.0500 | 0.0546 | | mg/L | | 109 | 80 - 120 |
| Boron | 1.00 | 1.13 | | mg/L | | 113 | 80 - 120 |
| Cadmium | 0.0500 | 0.0537 | | mg/L | | 107 | 80 - 120 |
| Calcium | 10.0 | 9.57 | | mg/L | | 96 | 80 - 120 |
| Chromium | 0.200 | 0.220 | | mg/L | | 110 | 80 - 120 |
| Cobalt | 0.500 | 0.556 | | mg/L | | 111 | 80 - 120 |
| Lead | 0.100 | 0.107 | | mg/L | | 107 | 80 - 120 |
| Magnesium | 10.0 | 11.1 | | mg/L | | 111 | 80 - 120 |
| Molybdenum | 1.00 | 1.04 | | mg/L | | 104 | 80 - 120 |
| Potassium | 10.0 | 10.9 | | mg/L | | 109 | 80 - 120 |
| Selenium | 0.100 | 0.104 | | mg/L | | 104 | 80 - 120 |
| Sodium | 10.0 | 10.9 | | mg/L | | 109 | 80 - 120 |
| Thallium | 0.100 | 0.109 | | mg/L | | 109 | 80 - 120 |

**Lab Sample ID: MB 500-808062/1-A**
**Matrix: Water**
**Analysis Batch: 808637**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 808062**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Arsenic | <0.0010 | | 0.0010 | 0.00023 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Barium | <0.0025 | | 0.0025 | 0.00073 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Boron | <0.050 | | 0.050 | 0.013 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Calcium | <0.20 | | 0.20 | 0.044 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Magnesium | <0.20 | | 0.20 | 0.049 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Potassium | <0.50 | | 0.50 | 0.11 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Sodium | 0.398 | | 0.20 | 0.077 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 02/28/25 08:28 | 03/04/25 13:07 | 1 |

**Lab Sample ID: LCS 500-808062/2-A**
**Matrix: Water**
**Analysis Batch: 808637**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 808062**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 0.500 | 0.526 | | mg/L | | 105 | 80 - 120 |
| Arsenic | 0.100 | 0.0990 | | mg/L | | 99 | 80 - 120 |
| Barium | 0.500 | 0.512 | | mg/L | | 102 | 80 - 120 |
| Beryllium | 0.0500 | 0.0514 | | mg/L | | 103 | 80 - 120 |
| Boron | 1.00 | 1.05 | | mg/L | | 105 | 80 - 120 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

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

**Lab Sample ID: LCS 500-808062/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 808637** — **Prep Batch: 808062**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cadmium | 0.0500 | 0.0514 | | mg/L | | 103 | 80 - 120 |
| Calcium | 10.0 | 9.31 | | mg/L | | 93 | 80 - 120 |
| Chromium | 0.200 | 0.209 | | mg/L | | 105 | 80 - 120 |
| Cobalt | 0.500 | 0.524 | | mg/L | | 105 | 80 - 120 |
| Lead | 0.100 | 0.101 | | mg/L | | 101 | 80 - 120 |
| Magnesium | 10.0 | 10.4 | | mg/L | | 104 | 80 - 120 |
| Molybdenum | 1.00 | 0.984 | | mg/L | | 98 | 80 - 120 |
| Potassium | 10.0 | 10.5 | | mg/L | | 105 | 80 - 120 |
| Selenium | 0.100 | 0.103 | | mg/L | | 103 | 80 - 120 |
| Sodium | 10.0 | 10.2 | | mg/L | | 102 | 80 - 120 |
| Thallium | 0.100 | 0.102 | | mg/L | | 102 | 80 - 120 |

**Lab Sample ID: 500-264493-17 MS** — **Client Sample ID: NED1**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 808637** — **Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.500 | 0.550 | | mg/L | | 110 | 75 - 125 |
| Arsenic | 0.052 | | 0.100 | 0.160 | | mg/L | | 109 | 75 - 125 |
| Barium | 0.067 | | 0.500 | 0.591 | | mg/L | | 105 | 75 - 125 |
| Beryllium | <0.0010 | | 0.0500 | 0.0553 | | mg/L | | 111 | 75 - 125 |
| Cadmium | <0.00050 | | 0.0500 | 0.0526 | | mg/L | | 105 | 75 - 125 |
| Chromium | <0.0050 | | 0.200 | 0.219 | | mg/L | | 110 | 75 - 125 |
| Cobalt | <0.0010 | | 0.500 | 0.531 | | mg/L | | 106 | 75 - 125 |
| Lead | <0.00050 | | 0.100 | 0.105 | | mg/L | | 105 | 75 - 125 |
| Magnesium | 44 | | 10.0 | 54.7 | 4 | mg/L | | 108 | 75 - 125 |
| Molybdenum | 0.031 | | 1.00 | 1.09 | | mg/L | | 106 | 75 - 125 |
| Potassium | 21 | | 10.0 | 31.8 | | mg/L | | 106 | 75 - 125 |
| Selenium | <0.0025 | | 0.100 | 0.108 | | mg/L | | 108 | 75 - 125 |
| Sodium | 55 | B | 10.0 | 65.9 | 4 | mg/L | | 107 | 75 - 125 |
| Thallium | <0.0020 | | 0.100 | 0.106 | | mg/L | | 106 | 75 - 125 |

**Lab Sample ID: 500-264493-17 MS** — **Client Sample ID: NED1**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 808948** — **Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Boron | 8.0 | | 1.00 | 9.17 | 4 | mg/L | | 120 | 75 - 125 |
| Calcium | 490 | | 10.0 | 496 | 4 | mg/L | | 56 | 75 - 125 |

**Lab Sample ID: 500-264493-17 MSD** — **Client Sample ID: NED1**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 808637** — **Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.500 | 0.548 | | mg/L | | 110 | 75 - 125 | 0 | 20 |
| Arsenic | 0.052 | | 0.100 | 0.161 | | mg/L | | 109 | 75 - 125 | 0 | 20 |
| Barium | 0.067 | | 0.500 | 0.594 | | mg/L | | 105 | 75 - 125 | 1 | 20 |
| Beryllium | <0.0010 | | 0.0500 | 0.0556 | | mg/L | | 111 | 75 - 125 | 1 | 20 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

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

**Lab Sample ID: 500-264493-17 MSD**
**Matrix: Water**
**Analysis Batch: 808637**

**Client Sample ID: NED1**
**Prep Type: Total Recoverable**
**Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cadmium | <0.00050 | | 0.0500 | 0.0529 | | mg/L | | 106 | 75 - 125 | 0 | 20 |
| Chromium | <0.0050 | | 0.200 | 0.218 | | mg/L | | 109 | 75 - 125 | 0 | 20 |
| Cobalt | <0.0010 | | 0.500 | 0.526 | | mg/L | | 105 | 75 - 125 | 1 | 20 |
| Lead | <0.00050 | | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 | 0 | 20 |
| Magnesium | 44 | | 10.0 | 54.7 | 4 | mg/L | | 108 | 75 - 125 | 0 | 20 |
| Molybdenum | 0.031 | | 1.00 | 1.10 | | mg/L | | 107 | 75 - 125 | 0 | 20 |
| Potassium | 21 | | 10.0 | 31.8 | | mg/L | | 106 | 75 - 125 | 0 | 20 |
| Selenium | <0.0025 | | 0.100 | 0.106 | | mg/L | | 106 | 75 - 125 | 2 | 20 |
| Sodium | 55 | B | 10.0 | 65.9 | 4 | mg/L | | 106 | 75 - 125 | 0 | 20 |
| Thallium | <0.0020 | | 0.100 | 0.107 | | mg/L | | 107 | 75 - 125 | 0 | 20 |

**Lab Sample ID: 500-264493-17 MSD**
**Matrix: Water**
**Analysis Batch: 808948**

**Client Sample ID: NED1**
**Prep Type: Total Recoverable**
**Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 8.0 | | 1.00 | 9.22 | 4 | mg/L | | 126 | 75 - 125 | 1 | 20 |
| Calcium | 490 | | 10.0 | 495 | 4 | mg/L | | 49 | 75 - 125 | 0 | 20 |

**Lab Sample ID: 500-264493-17 DU**
**Matrix: Water**
**Analysis Batch: 808637**

**Client Sample ID: NED1**
**Prep Type: Total Recoverable**
**Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | <0.0030 | | mg/L | | NC | 20 |
| Arsenic | 0.052 | | 0.0524 | | mg/L | | 0.9 | 20 |
| Barium | 0.067 | | 0.0681 | | mg/L | | 1 | 20 |
| Beryllium | <0.0010 | | <0.0010 | | mg/L | | NC | 20 |
| Cadmium | <0.00050 | | <0.00050 | | mg/L | | NC | 20 |
| Chromium | <0.0050 | | <0.0050 | | mg/L | | NC | 20 |
| Cobalt | <0.0010 | | <0.0010 | | mg/L | | NC | 20 |
| Lead | <0.00050 | | <0.00050 | | mg/L | | NC | 20 |
| Magnesium | 44 | | 43.7 | | mg/L | | 0.6 | 20 |
| Molybdenum | 0.031 | | 0.0309 | | mg/L | | 0.8 | 20 |
| Potassium | 21 | | 21.1 | | mg/L | | 0.2 | 20 |
| Selenium | <0.0025 | | <0.0025 | | mg/L | | NC | 20 |
| Sodium | 55 | B | 55.5 | | mg/L | | 0.5 | 20 |
| Thallium | <0.0020 | | <0.0020 | | mg/L | | NC | 20 |

**Lab Sample ID: 500-264493-17 DU**
**Matrix: Water**
**Analysis Batch: 808948**

**Client Sample ID: NED1**
**Prep Type: Total Recoverable**
**Prep Batch: 808062**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Boron | 8.0 | | 8.00 | | mg/L | | 0.4 | 20 |
| Calcium | 490 | | 481 | | mg/L | | 2 | 20 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

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

**Lab Sample ID: MB 500-808468/1-A**
**Matrix: Water**
**Analysis Batch: 809424**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 808468**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <0.0030 | | 0.0030 | 0.0013 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Arsenic | <0.0010 | | 0.0010 | 0.00023 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Barium | <0.0025 | | 0.0025 | 0.00073 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Beryllium | <0.0010 | | 0.0010 | 0.00053 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Cadmium | <0.00050 | | 0.00050 | 0.00017 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Calcium | 0.429 | | 0.20 | 0.044 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Chromium | <0.0050 | | 0.0050 | 0.0011 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Cobalt | <0.0010 | | 0.0010 | 0.00040 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Lead | <0.00050 | | 0.00050 | 0.00019 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Magnesium | <0.20 | | 0.20 | 0.049 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | 0.0025 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Potassium | <0.50 | | 0.50 | 0.11 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Selenium | <0.0025 | | 0.0025 | 0.00098 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Sodium | <0.20 | | 0.20 | 0.077 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |
| Thallium | <0.0020 | | 0.0020 | 0.00057 | mg/L | | 03/04/25 08:30 | 03/10/25 13:55 | 1 |

**Lab Sample ID: MB 500-808468/1-A**
**Matrix: Water**
**Analysis Batch: 809599**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 808468**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Boron | <0.050 | | 0.050 | 0.013 | mg/L | | 03/04/25 08:30 | 03/11/25 14:37 | 1 |

**Lab Sample ID: LCS 500-808468/2-A**
**Matrix: Water**
**Analysis Batch: 809424**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 808468**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 0.500 | 0.551 | | mg/L | | 110 | 80 - 120 |
| Arsenic | 0.100 | 0.0996 | | mg/L | | 100 | 80 - 120 |
| Barium | 0.500 | 0.531 | | mg/L | | 106 | 80 - 120 |
| Beryllium | 0.0500 | 0.0517 | | mg/L | | 103 | 80 - 120 |
| Cadmium | 0.0500 | 0.0520 | | mg/L | | 104 | 80 - 120 |
| Calcium | 10.0 | 9.41 | | mg/L | | 94 | 80 - 120 |
| Chromium | 0.200 | 0.212 | | mg/L | | 106 | 80 - 120 |
| Cobalt | 0.500 | 0.546 | | mg/L | | 109 | 80 - 120 |
| Lead | 0.100 | 0.105 | | mg/L | | 105 | 80 - 120 |
| Magnesium | 10.0 | 11.0 | | mg/L | | 110 | 80 - 120 |
| Molybdenum | 1.00 | 1.02 | | mg/L | | 102 | 80 - 120 |
| Potassium | 10.0 | 10.8 | | mg/L | | 108 | 80 - 120 |
| Selenium | 0.100 | 0.0989 | | mg/L | | 99 | 80 - 120 |
| Sodium | 10.0 | 10.6 | | mg/L | | 106 | 80 - 120 |
| Thallium | 0.100 | 0.107 | | mg/L | | 107 | 80 - 120 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

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

**Lab Sample ID: LCS 500-808468/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total Recoverable**
**Analysis Batch: 809599** — **Prep Batch: 808468**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Boron | 1.00 | 1.06 | | mg/L | | 106 | 80 - 120 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 500-807952/12-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808139** — **Prep Batch: 807952**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 02/27/25 13:40 | 02/28/25 10:23 | 1 |

**Lab Sample ID: LCS 500-807952/13-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808139** — **Prep Batch: 807952**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00200 | 0.00198 | | mg/L | | 99 | 80 - 120 |

**Lab Sample ID: MB 500-808381/12-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808547** — **Prep Batch: 808381**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/03/25 12:15 | 03/04/25 09:52 | 1 |

**Lab Sample ID: LCS 500-808381/13-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808547** — **Prep Batch: 808381**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00200 | 0.00205 | | mg/L | | 103 | 80 - 120 |

**Lab Sample ID: MB 500-809826/12-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809970** — **Prep Batch: 809826**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.00020 | | 0.00020 | 0.000076 | mg/L | | 03/13/25 11:35 | 03/14/25 10:34 | 1 |

**Lab Sample ID: LCS 500-809826/13-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809970** — **Prep Batch: 809826**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.00200 | 0.00195 | | mg/L | | 98 | 80 - 120 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 500-808970/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808970**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sulfate | <1.0 | | 1.0 | 0.47 | mg/L | | | 03/08/25 11:51 | 1 |

**Lab Sample ID: LCS 500-808970/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808970**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Sulfate | 20.0 | 19.2 | | mg/L | | 96 | 90 - 110 |

**Lab Sample ID: MB 500-809166/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809166**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.42 | mg/L | | | 03/09/25 06:01 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.47 | mg/L | | | 03/09/25 06:01 | 1 |

**Lab Sample ID: LCS 500-809166/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809166**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 18.9 | | mg/L | | 94 | 90 - 110 |
| Sulfate | 20.0 | 18.9 | | mg/L | | 95 | 90 - 110 |

**Lab Sample ID: MB 500-809168/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809168**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.42 | mg/L | | | 03/08/25 15:32 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.47 | mg/L | | | 03/08/25 15:32 | 1 |

**Lab Sample ID: LCS 500-809168/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809168**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 19.2 | | mg/L | | 96 | 90 - 110 |
| Sulfate | 20.0 | 19.7 | | mg/L | | 99 | 90 - 110 |

**Lab Sample ID: 500-264493-22 MS** — **Client Sample ID: 22**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809168**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14 | | 100 | 107 | | mg/L | | 93 | 80 - 120 |
| Sulfate | 30 | | 100 | 128 | | mg/L | | 98 | 80 - 120 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 500-264493-22 MSD** — **Client Sample ID: 22**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809168**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14 | | 100 | 107 | | mg/L | | 93 | 80 - 120 | 0 | 20 |
| Sulfate | 30 | | 100 | 126 | | mg/L | | 96 | 80 - 120 | 1 | 20 |

**Lab Sample ID: MB 500-809458/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809458**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.42 | mg/L | | | 03/11/25 13:32 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.47 | mg/L | | | 03/11/25 13:32 | 1 |

**Lab Sample ID: LCS 500-809458/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809458**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 19.4 | | mg/L | | 97 | 90 - 110 |
| Sulfate | 20.0 | 19.9 | | mg/L | | 100 | 90 - 110 |

**Lab Sample ID: MB 500-809526/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809526**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.42 | mg/L | | | 03/12/25 04:06 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.47 | mg/L | | | 03/12/25 04:06 | 1 |

**Lab Sample ID: LCS 500-809526/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809526**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 19.7 | | mg/L | | 99 | 90 - 110 |
| Sulfate | 20.0 | 20.1 | | mg/L | | 101 | 90 - 110 |

**Lab Sample ID: MB 500-809688/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809688**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.0 | | 1.0 | 0.42 | mg/L | | | 03/13/25 10:03 | 1 |
| Sulfate | <1.0 | | 1.0 | 0.47 | mg/L | | | 03/13/25 10:03 | 1 |

**Lab Sample ID: LCS 500-809688/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809688**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 20.0 | 19.6 | | mg/L | | 98 | 90 - 110 |
| Sulfate | 20.0 | 20.0 | | mg/L | | 100 | 90 - 110 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Method: SM 2320B - Alkalinity

**Lab Sample ID: MB 500-808295/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808295**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 09:37 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 02/28/25 09:37 | 1 |

**Lab Sample ID: LCS 500-808295/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808295**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Alkalinity | 100 | 104 | | mg/L | | 104 | 80 - 120 |

**Lab Sample ID: MB 500-808783/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808783**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bicarbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 09:13 | 1 |
| Carbonate Alkalinity as CaCO3 | <5.0 | | 5.0 | 3.7 | mg/L | | | 03/05/25 09:13 | 1 |

**Lab Sample ID: LCS 500-808783/4** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808783**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Alkalinity | 100 | 105 | | mg/L | | 105 | 80 - 120 |

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

**Lab Sample ID: MB 500-808095/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808095**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 02/28/25 11:02 | 1 |

**Lab Sample ID: LCS 500-808095/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808095**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 250 | 254 | | mg/L | | 102 | 80 - 120 |

**Lab Sample ID: MB 500-808495/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808495**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 03/04/25 09:02 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

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

**Lab Sample ID: LCS 500-808495/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808495**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 250 | 254 | | mg/L | | 102 | 80 - 120 |

**Lab Sample ID: MB 500-808561/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808561**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 03/04/25 12:58 | 1 |

**Lab Sample ID: LCS 500-808561/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808561**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 250 | 252 | | mg/L | | 101 | 80 - 120 |

**Lab Sample ID: MB 500-808956/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808956**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 03/06/25 15:28 | 1 |

**Lab Sample ID: LCS 500-808956/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808956**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 250 | 248 | | mg/L | | 99 | 80 - 120 |

**Lab Sample ID: MB 500-808973/1** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808973**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | 4.3 | mg/L | | | 03/06/25 16:31 | 1 |

**Lab Sample ID: LCS 500-808973/2** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 808973**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 250 | 252 | | mg/L | | 101 | 80 - 120 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: MB 500-809059/31** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809059**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/06/25 14:29 | 1 |

**Lab Sample ID: MB 500-809059/59** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809059**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/06/25 16:31 | 1 |

**Lab Sample ID: LCS 500-809059/32** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809059**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Fluoride | 10.0 | 10.1 | | mg/L | | 101 | 90 - 119 |

**Lab Sample ID: LCS 500-809059/60** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809059**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Fluoride | 10.0 | 10.1 | | mg/L | | 101 | 90 - 119 |

**Lab Sample ID: 500-264493-14 MS** — **Client Sample ID: 70&D**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809059**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.52 | | 5.00 | 5.91 | | mg/L | | 108 | 75 - 125 |

**Lab Sample ID: 500-264493-14 MSD** — **Client Sample ID: 70&D**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809059**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 0.52 | | 5.00 | 5.93 | | mg/L | | 108 | 75 - 125 | 0 | 20 |

**Lab Sample ID: MB 500-809378/3** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809378**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/10/25 11:30 | 1 |

**Lab Sample ID: MB 500-809378/31** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 809378**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.10 | | 0.10 | 0.056 | mg/L | | | 03/10/25 13:33 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: LCS 500-809378/32**
**Matrix: Water**
**Analysis Batch: 809378**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | | | 10.0 | 9.61 | | mg/L | | 96 | 90 - 119 | | |

**Lab Sample ID: LCS 500-809378/4**
**Matrix: Water**
**Analysis Batch: 809378**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | | | 10.0 | 9.67 | | mg/L | | 97 | 90 - 119 | | |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 16A

**Lab Sample ID: 500-264493-1**
**Date Collected: 02/25/25 12:50**
**Matrix: Water**
**Date Received: 02/26/25 12:31**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 808055 | BDE | EET CHI | 02/28/25 08:24 - 02/28/25 14:24 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809570 | RB | EET CHI | 03/11/25 17:11 |
| Total Recoverable | Prep | 3005A | | | 807898 | BDE | EET CHI | 02/27/25 08:23 - 02/27/25 14:23 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809424 | RN | EET CHI | 03/10/25 12:45 |
| Total/NA | Prep | 7470A | | | 807952 | MJG | EET CHI | 02/27/25 13:40 - 02/27/25 15:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 808139 | MJG | EET CHI | 02/28/25 10:45 |
| Total/NA | Analysis | 300.0 | | 1 | 808970 | MM | EET CHI | 03/08/25 16:48 |
| Total/NA | Analysis | 300.0 | | 10 | 809458 | MM | EET CHI | 03/11/25 20:33 |
| Total/NA | Analysis | SM 2320B | | 1 | 808295 | SO | EET CHI | 02/28/25 09:51 |
| Total/NA | Analysis | SM 2540C | | 1 | 808095 | SO | EET CHI | 02/28/25 12:31 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809059 | SO | EET CHI | 03/06/25 15:30 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/25/25 12:50 |

## Client Sample ID: 16A_FD

**Lab Sample ID: 500-264493-2**
**Date Collected: 02/25/25 12:55**
**Matrix: Water**
**Date Received: 02/26/25 12:31**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 808055 | BDE | EET CHI | 02/28/25 08:24 - 02/28/25 14:24 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809570 | RB | EET CHI | 03/11/25 17:16 |
| Total Recoverable | Prep | 3005A | | | 807898 | BDE | EET CHI | 02/27/25 08:23 - 02/27/25 14:23 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809424 | RN | EET CHI | 03/10/25 12:50 |
| Total/NA | Prep | 7470A | | | 807952 | MJG | EET CHI | 02/27/25 13:40 - 02/27/25 15:40 [1] |
| Total/NA | Analysis | 7470A | | 1 | 808139 | MJG | EET CHI | 02/28/25 10:47 |
| Total/NA | Analysis | 300.0 | | 1 | 808970 | MM | EET CHI | 03/08/25 17:03 |
| Total/NA | Analysis | 300.0 | | 10 | 809458 | MM | EET CHI | 03/11/25 20:49 |
| Total/NA | Analysis | SM 2320B | | 1 | 808295 | SO | EET CHI | 02/28/25 10:01 |
| Total/NA | Analysis | SM 2540C | | 1 | 808095 | SO | EET CHI | 02/28/25 12:35 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809059 | SO | EET CHI | 03/06/25 15:34 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/25/25 12:55 |

## Client Sample ID: 70&D

**Lab Sample ID: 500-264493-14**
**Date Collected: 02/26/25 14:55**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 808055 | BDE | EET CHI | 02/28/25 08:24 - 02/28/25 14:24 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809570 | RB | EET CHI | 03/11/25 18:45 |
| Total Recoverable | Prep | 3005A | | | 808062 | BDE | EET CHI | 02/28/25 08:28 - 02/28/25 14:28 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 808637 | RN | EET CHI | 03/04/25 14:49 |
| Total Recoverable | Prep | 3005A | | | 808062 | BDE | EET CHI | 02/28/25 08:28 - 02/28/25 14:28 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 808948 | RN | EET CHI | 03/06/25 11:48 |
| Total/NA | Prep | 7470A | | | 808381 | MJG | EET CHI | 03/03/25 12:15 - 03/03/25 14:15 [1] |
| Total/NA | Analysis | 7470A | | 1 | 808547 | MJG | EET CHI | 03/04/25 10:41 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 70&D

**Lab Sample ID: 500-264493-14**
**Date Collected: 02/26/25 14:55**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.0 | | 1 | 809168 | MM | EET CHI | 03/08/25 20:59 |
| Total/NA | Analysis | 300.0 | | 20 | 809168 | MM | EET CHI | 03/08/25 21:45 |
| Total/NA | Analysis | SM 2320B | | 1 | 808295 | SO | EET CHI | 02/28/25 12:13 |
| Total/NA | Analysis | SM 2540C | | 1 | 808495 | SO | EET CHI | 03/04/25 09:52 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809059 | SO | EET CHI | 03/06/25 17:01 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/26/25 14:55 |

## Client Sample ID: 70#S

**Lab Sample ID: 500-264493-15**
**Date Collected: 02/26/25 14:15**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 808055 | BDE | EET CHI | 02/28/25 08:24 - 02/28/25 14:24 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809570 | RB | EET CHI | 03/11/25 18:50 |
| Total Recoverable | Prep | 3005A | | | 808062 | BDE | EET CHI | 02/28/25 08:28 - 02/28/25 14:28 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 808637 | RN | EET CHI | 03/04/25 14:51 |
| Total Recoverable | Prep | 3005A | | | 808062 | BDE | EET CHI | 02/28/25 08:28 - 02/28/25 14:28 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 808948 | RN | EET CHI | 03/06/25 11:50 |
| Total/NA | Prep | 7470A | | | 808381 | MJG | EET CHI | 03/03/25 12:15 - 03/03/25 14:15 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 808547 | MJG | EET CHI | 03/04/25 10:43 |
| Total/NA | Analysis | 300.0 | | 1 | 809168 | MM | EET CHI | 03/08/25 22:01 |
| Total/NA | Analysis | 300.0 | | 20 | 809168 | MM | EET CHI | 03/08/25 22:16 |
| Total/NA | Analysis | SM 2320B | | 1 | 808295 | SO | EET CHI | 02/28/25 12:24 |
| Total/NA | Analysis | SM 2540C | | 1 | 808561 | SO | EET CHI | 03/04/25 13:19 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809059 | SO | EET CHI | 03/06/25 17:15 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/26/25 14:15 |

## Client Sample ID: NED1

**Lab Sample ID: 500-264493-17**
**Date Collected: 02/26/25 16:45**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 808055 | BDE | EET CHI | 02/28/25 08:24 - 02/28/25 14:24 ¹ |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809570 | RB | EET CHI | 03/11/25 18:59 |
| Total Recoverable | Prep | 3005A | | | 808062 | BDE | EET CHI | 02/28/25 08:28 - 02/28/25 14:28 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 808637 | RN | EET CHI | 03/04/25 15:11 |
| Total Recoverable | Prep | 3005A | | | 808062 | BDE | EET CHI | 02/28/25 08:28 - 02/28/25 14:28 ¹ |
| Total Recoverable | Analysis | 6020B | | 5 | 808948 | RN | EET CHI | 03/06/25 11:55 |
| Total/NA | Prep | 7470A | | | 808381 | MJG | EET CHI | 03/03/25 12:15 - 03/03/25 14:15 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 808547 | MJG | EET CHI | 03/04/25 10:47 |
| Total/NA | Analysis | 300.0 | | 1 | 809168 | MM | EET CHI | 03/08/25 22:48 |
| Total/NA | Analysis | 300.0 | | 100 | 809168 | MM | EET CHI | 03/08/25 23:03 |
| Total/NA | Analysis | SM 2320B | | 1 | 808295 | SO | EET CHI | 02/28/25 12:45 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: NED1

**Lab Sample ID: 500-264493-17**
**Date Collected: 02/26/25 16:45**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | SM 2540C | | 1 | 808561 | SO | EET CHI | 03/04/25 13:24 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809059 | SO | EET CHI | 03/06/25 17:25 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/26/25 16:45 |

## Client Sample ID: 22

**Lab Sample ID: 500-264493-22**
**Date Collected: 02/27/25 15:15**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 809019 | BDE | EET CHI | 03/07/25 08:19 - 03/07/25 14:19 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809405 | RB | EET CHI | 03/10/25 15:17 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809424 | RN | EET CHI | 03/10/25 14:46 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809599 | RN | EET CHI | 03/11/25 14:51 |
| Total/NA | Prep | 7470A | | | 809826 | MJG | EET CHI | 03/13/25 11:35 - 03/13/25 13:35 [1] |
| Total/NA | Analysis | 7470A | | 1 | 809970 | MJG | EET CHI | 03/14/25 10:52 |
| Total/NA | Analysis | 300.0 | | 10 | 809168 | MM | EET CHI | 03/09/25 01:23 |
| Total/NA | Analysis | SM 2320B | | 1 | 808783 | AC | EET CHI | 03/05/25 12:53 |
| Total/NA | Analysis | SM 2540C | | 1 | 808956 | SO | EET CHI | 03/06/25 15:37 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809378 | AC | EET CHI | 03/10/25 13:20 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/27/25 15:15 |

## Client Sample ID: 35&D

**Lab Sample ID: 500-264493-23**
**Date Collected: 02/27/25 10:55**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 809019 | BDE | EET CHI | 03/07/25 08:19 - 03/07/25 14:19 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809405 | RB | EET CHI | 03/10/25 15:30 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809424 | RN | EET CHI | 03/10/25 14:49 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809599 | RN | EET CHI | 03/11/25 14:59 |
| Total/NA | Prep | 7470A | | | 809826 | MJG | EET CHI | 03/13/25 11:35 - 03/13/25 13:35 [1] |
| Total/NA | Analysis | 7470A | | 1 | 809970 | MJG | EET CHI | 03/14/25 10:54 |
| Total/NA | Analysis | 300.0 | | 20 | 809168 | MM | EET CHI | 03/09/25 03:26 |
| Total/NA | Analysis | 300.0 | | 50 | 809526 | MB | EET CHI | 03/12/25 05:39 |
| Total/NA | Analysis | SM 2320B | | 1 | 808783 | AC | EET CHI | 03/05/25 12:41 |
| Total/NA | Analysis | SM 2540C | | 1 | 808956 | SO | EET CHI | 03/06/25 15:38 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809378 | AC | EET CHI | 03/10/25 13:24 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/27/25 10:55 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 71&D

**Lab Sample ID: 500-264493-28**
**Date Collected: 02/27/25 10:05**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 809019 | BDE | EET CHI | 03/07/25 08:19 - 03/07/25 14:19 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809405 | RB | EET CHI | 03/10/25 16:10 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809599 | RN | EET CHI | 03/11/25 15:20 |
| Total/NA | Prep | 7470A | | | 809826 | MJG | EET CHI | 03/13/25 11:35 - 03/13/25 13:35 [1] |
| Total/NA | Analysis | 7470A | | 1 | 809970 | MJG | EET CHI | 03/14/25 11:16 |
| Total/NA | Analysis | 300.0 | | 5 | 809166 | MM | EET CHI | 03/09/25 08:06 |
| Total/NA | Analysis | 300.0 | | 50 | 809526 | MB | EET CHI | 03/12/25 06:26 |
| Total/NA | Analysis | SM 2320B | | 1 | 808783 | AC | EET CHI | 03/05/25 11:39 |
| Total/NA | Analysis | SM 2540C | | 1 | 808956 | SO | EET CHI | 03/06/25 15:49 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809378 | AC | EET CHI | 03/10/25 14:13 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/27/25 10:05 |

## Client Sample ID: 71#S

**Lab Sample ID: 500-264493-29**
**Date Collected: 02/27/25 09:00**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 809019 | BDE | EET CHI | 03/07/25 08:19 - 03/07/25 14:19 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809405 | RB | EET CHI | 03/10/25 16:24 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809599 | RN | EET CHI | 03/11/25 15:28 |
| Total/NA | Prep | 7470A | | | 809826 | MJG | EET CHI | 03/13/25 11:35 - 03/13/25 13:35 [1] |
| Total/NA | Analysis | 7470A | | 1 | 809970 | MJG | EET CHI | 03/14/25 11:18 |
| Total/NA | Analysis | 300.0 | | 5 | 809166 | MM | EET CHI | 03/09/25 08:22 |
| Total/NA | Analysis | SM 2320B | | 1 | 808783 | AC | EET CHI | 03/05/25 11:28 |
| Total/NA | Analysis | SM 2540C | | 1 | 808956 | SO | EET CHI | 03/06/25 15:51 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809378 | AC | EET CHI | 03/10/25 14:17 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/27/25 09:00 |

## Client Sample ID: 10R

**Lab Sample ID: 500-264493-30**
**Date Collected: 02/28/25 09:45**
**Matrix: Water**
**Date Received: 02/28/25 16:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 809019 | BDE | EET CHI | 03/07/25 08:19 - 03/07/25 14:19 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809405 | RB | EET CHI | 03/10/25 16:28 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809599 | RN | EET CHI | 03/11/25 15:30 |
| Total/NA | Prep | 7470A | | | 809826 | MJG | EET CHI | 03/13/25 11:35 - 03/13/25 13:35 [1] |
| Total/NA | Analysis | 7470A | | 1 | 809970 | MJG | EET CHI | 03/14/25 11:20 |
| Total/NA | Analysis | 300.0 | | 5 | 809166 | MM | EET CHI | 03/09/25 09:09 |
| Total/NA | Analysis | 300.0 | | 10 | 809688 | MM | EET CHI | 03/13/25 10:49 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Client Sample ID: 10R

**Lab Sample ID: 500-264493-30**
**Date Collected: 02/28/25 09:45**
**Matrix: Water**
**Date Received: 02/28/25 16:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | SM 2320B | | 1 | 808783 | AC | EET CHI | 03/05/25 11:17 |
| Total/NA | Analysis | SM 2540C | | 1 | 808973 | SO | EET CHI | 03/06/25 16:46 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809378 | AC | EET CHI | 03/10/25 14:22 |
| Total/NA | Analysis | Field Sampling | | 1 | 809476 | DN | EET CHI | 02/28/25 09:45 |

## Client Sample ID: FB

**Lab Sample ID: 500-264493-31**
**Date Collected: 02/28/25 08:20**
**Matrix: Water**
**Date Received: 02/28/25 16:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 200.7 | | | 809019 | BDE | EET CHI | 03/07/25 08:19 - 03/07/25 14:19 [1] |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 809405 | RB | EET CHI | 03/10/25 16:33 |
| Total Recoverable | Prep | 3005A | | | 808468 | BDE | EET CHI | 03/04/25 08:30 - 03/04/25 14:30 [1] |
| Total Recoverable | Analysis | 6020B | | 1 | 809599 | RN | EET CHI | 03/11/25 15:33 |
| Total/NA | Prep | 7470A | | | 809826 | MJG | EET CHI | 03/13/25 11:35 - 03/13/25 13:35 [1] |
| Total/NA | Analysis | 7470A | | 1 | 809970 | MJG | EET CHI | 03/14/25 11:23 |
| Total/NA | Analysis | 300.0 | | 1 | 809166 | MM | EET CHI | 03/09/25 09:24 |
| Total/NA | Analysis | SM 2320B | | 1 | 808783 | AC | EET CHI | 03/05/25 11:13 |
| Total/NA | Analysis | SM 2540C | | 1 | 808973 | SO | EET CHI | 03/06/25 16:48 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 809378 | AC | EET CHI | 03/10/25 14:27 |

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

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-4
SDG: VER_845_912

## Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Illinois | NELAP | 100201 | 05-31-25 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 200.7 Rev 4.4 | 200.7 | Water | Lithium |
| Field Sampling | | Water | Depth to Water (ft from MP) |
| Field Sampling | | Water | Field pH |
| Field Sampling | | Water | Field Temperature |
| Field Sampling | | Water | Oxidation Reduction Potential |
| Field Sampling | | Water | Oxygen, Dissolved |
| Field Sampling | | Water | Specific Conductance |
| Field Sampling | | Water | Turbidity |
| SM 2320B | | Water | Bicarbonate Alkalinity as CaCO3 |
| SM 2320B | | Water | Carbonate Alkalinity as CaCO3 |

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-264493 COC

Page 1 of 1

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: | (217) 753-8911 |
| Fax: | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address: | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

| | | |
|---|---|---|
| NPDES | GROUND WATER | DRINKING WATER |
| UST | RCRA | OTHER |

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02 | WT | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 2 | 03R | WT | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 3 | 04 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 4 | 04_FD | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 6 | 07R | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 7 | 08R | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 8 | 101& | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 9 | 103R | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 10 | 10R | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 11 | 16A | WT | | 2/25/25 | 1250 | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 12 | 16A_FD | WT | | 2/25/25 | 1255 | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 13 | 16IB | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 14 | 17 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 15 | 20 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 16 | ~~02~~ GA 21 | WT | | 2/25/25 | 1526 | | | | | | | | | | | X | | X | | X | | | | | | | | MS/MSD |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Assaller/ASE | 2/26/25 | 0830 | N. Ellair | 2/26/25 | 1002 | |
| | N. Ellair | 2/26/25 | 1231 | [illegible] | 2/26/25 | 1231 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: George Assaller

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY) 2/26/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

0.6-7.3

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 1 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To. | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No | |
| Project Name: | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

500-264493 COC

| ITEM # | Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test Y/N | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 1 | 02 | WT | | 2/26/25 | 1155 | | | | | | | | | | | | X | | X | | X | | | | |
| 2 | 03R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 5 3 | 04 | WT | | 2/26/25 | 1230 | | | | | | | | | | | | X | | X | | X | | | | |
| 6 4 | 04_FD | WT | | 2/26/25 | 1230 | | | | | | | | | | | | X | | X | | X | | | | |
| 5 | 05 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 7 6 | 07R | WT | | 2/26/25 | 1040 | | | | | | | | | | | | X | | X | | X | | | | |
| 7 | 08R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 8 | 101& | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 9 | 103R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 10 | 10R | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 11 | 16A | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 12 | 16A_FD | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 13 | 16!B | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 14 | 17 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 8 15 | 20 | WT | | 2/26/25 | 1025 | | | | | | | | | | | | X | | X | | X | | | | |
| 16 | 21 | | | | | | | | | | | | | | | | X | | X | | X | | | | MS/MSD |

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Assaliny /A3E | 2/27/25 | 0900 | R. J. Ellis | 2/27/25 | 1019 | |
| | R. J. Ellis | 2/27/25 | 1249 | [illegible] | 2/27/25 | 1249 | |

SAMPLER NAME AND SIGNATURE: George Assaliny
PRINT Name of SAMPLER: George Assaliny
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/27/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

28 → 27

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 2 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone: | (217) 753-8911 Fax: |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna.tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| | ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 22 | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| 9 | 2 | 34 | WT | | 2/26/25 | 1115 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| | 3 | 35&D | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| | 4 | 35#S | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 10 | 5 | 36 | WT | | 2/26/25 | 0850 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 11 | 6 | 37 | WT | | 2/26/25 | 0925 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 12 | 7 | 37_FD | WT | | 2/26/25 | 0930 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 13 | 8 | 38 | WT | | 2/26/25 | 0930 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| | 9 | 41 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| | 10 | 41_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| | 11 | 42 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | MS/MSD |
| | 12 | 43 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 14 | 13 | 70&D | WT | | 2/26/25 | 1455 | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| 15 | 14 | 70#S | WT | | 2/26/25 | 1415 | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| | 15 | 71&D | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| | 16 | 71#S | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Asselin / ASE | 2/27/25 | 0900 | [signature] | 2/27/25 | 1019 | |
| | [signature] | 2/27/25 | 1249 | [signature] | 2/27/25 | 1249 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER

SIGNATURE of SAMPLER | DATE Signed (MM/DD/YY)

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sampler is the same as relinquished by, as on page 1. dbn 022825

29 → 2.8

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-264493

Page 3 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone: | (217) 753-8911 Fax. |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information.

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention. | Dianna Tickner |
| Company Name | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 2 | ND3 | WT | | 2/26/25 | 1440 | | | | | | | | | | | | | | X | | X | | | | |
| 3 | NED1 | WT | | 2/26/25 | 1645 | | | | | | | | | | | | | | X | | | X | | | |
| 4 | OED1 | | | | | | | | | | | | | | | | | | X | | X | | | | |
| 5 | YSG01 | | | | | | | | | | | | | | | | | | | X | X | | | | DTW Only |
| 6 | FB | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME |
|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | [signature] /ASE | 2/27/25 | 0900 | [signature] | 2/27/25 | 1019 |
| | [signature] | 2/27/25 | 1247 | [signature] | 2/27/25 | 1247 |

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER
SIGNATURE of SAMPLER | DATE Signed (MM/DD/YY)

Sampler is the same as relinquished by, as on page 1. dbn 022825 4.9 → 4.8

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 1 of 2

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**Valid Matrix Codes**

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 18 2 | 03R | WT | | 2/27/25 | 14:10 | | | | | | | | | | | | X | | X | | X | | | | |
| 3 | 04 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 4 | 04_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 19 5 | 05 | WT | | 2/27/25 | 12:45 | | | | | | | | | | | | X | | X | | X | | | | |
| 6 | 07R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 20 7 | 08R | WT | | 2/27/25 | 14:50 | | | | | | | | | | | | X | | X | | X | | | | |
| 8 | 101& | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 9 | 103R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 10 | 10R | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 11 | 16A | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 12 | 16A_FD | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 13 | 16!B | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 21 14 | 17 Partial | WT | | 2/27/25 | 09:40 | | | 3 | | 1 | | | | | | | X | | X | | X | | | | |
| 15 | 20 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 16 | 21 | | | | | | | | | | | | | | | | X | | X | | X | | | | MS/MSD |

500-264493 COC

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Asselin | 2/25/25 | 0800 | [illegible] | 2/25/25 | 1030 | |
| [illegible] | [illegible] | 2/28/25 | 1318 | [illegible] | 2/28/25 | 1318 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: George Asselin

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM/DD/YY): 2/28/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

29→28, 20→19, 3.3→3.2

500-264423

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 2 of 28

**Section A** Required Client Information

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To. | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax: | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To. | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name | Vistra Corp |
| Address. | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

| | | |
|---|---|---|
| NPDES | GROUND WATER | DRINKING WATER |
| UST | RCRA | OTHER |

Site Location STATE. IL

Section D Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 1 | 22 | WT | | 2/27/25 | 15:15 | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| 2 | 34 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 23 3 | 35&D | WT | | 2/27/25 | 10:55 | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 4 | 35#S | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 5 | 36 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 6 | 37 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 7 | 37_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 8 | 38 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 24 9 | 41 | WT | | 2/27/25 | 13:20 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 25 10 | 41_FD | WT | | 2/27/25 | 13:25 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 26 11 | 42 | WT | | 2/27/25 | 11:15 | | | | | | | | | | | | X | | X | | X | | | | | | | | | MS/MSD |
| 27 12 | 43 | WT | | 2/27/25 | 13:10 | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 13 | 70&D | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| 14 | 70#S | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| 28 15 | 71&D | WT | | 2/27/25 | 10:05 | | | | | | | | | | | | X | | X | | | X | | | | | | | | |
| 29 16 | 71#S | WT | | 2/27/25 | 09:00 | | | | | | | | | | | | X | | X | | | X | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Asselin / ASE | 2/28/25 | 0800 | [illegible] | 2/28/25 | 1030 | |
| | [illegible] | 2/28/25 | 1318 | [illegible] | 2/28/25 | 1318 | |

| | |
|---|---|
| SAMPLER NAME AND SIGNATURE | |
| PRINT Name of SAMPLER | George Asselin |
| SIGNATURE of SAMPLER | [illegible] |
| DATE Signed (MM/DD/YY) | 2/28/25 |

dbn 030325

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2.9→2.8, 2.0→1.9, 3.3→3.2

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 1 of 20

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To. | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To. | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention | Dianna Tickner |
| Company Name | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

500-264493 COC

**REGULATORY AGENCY**

| | | |
|---|---|---|
| NPDES | GROUND WATER | DRINKING WATER |
| UST | RCRA | OTHER |

Site Location STATE: IL

**Section D** Required Client Information

**Valid Matrix Codes**

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 2 | 03R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 3 | 04 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 4 | 04_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 6 | 07R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 7 | 08R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 8 | 101& | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 9 | 103R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 30 10 | 10R | WT | | 2/28/25 | 0945 | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 11 | 16A | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 12 | 16A_FD | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 13 | 16IB | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 14 | 17 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 15 | 20 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 16 | 21 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | MS/MSD |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | [signature] / ASE | 2/28/25 | 1615 | [signature] | 2/28/25 | 1615 | |

**SAMPLER NAME AND SIGNATURE**

| | | | |
|---|---|---|---|
| PRINT Name of SAMPLER | George Assellus | | |
| SIGNATURE of SAMPLER | [signature] | DATE Signed (MM/DD/YY) | 2/28/25 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

49 → 48

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 2 of 2

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name | Vistra Corp |
| Address | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72 | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 2 | ND3 | | | | | | | | | | | | | | | | | X | | X | | | | |
| 3 | NED1 | | | | | | | | | | | | | | | | | X | | | X | | | |
| 4 | OED1 | | | | | | | | | | | | | | | | | X | | X | | | | |
| 5 | YSG01 | | | | | | | | | | | | | | | | | | X | X | | | | DTW Only |
| 31 6 | FB | WT | | 2/28/25 | 0820 | | | | | | | | | | | X | X | | | | X | X | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | [signature] / AJE | 2/28/25 | 1615 | [signature] | 2/28/25 | 1615 | |

| SAMPLER NAME AND SIGNATURE | | | |
|---|---|---|---|
| PRINT Name of SAMPLER | George Assolly | | |
| SIGNATURE of SAMPLER | [signature] | DATE Signed (MM/DD/YY) | 2/28/25 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-264493-4
SDG Number: VER_845_912

**Login Number: 264493**
**List Number: 1**
**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

| 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. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.3,2.7,2.8,4.8,2.8,1.9,3.2,4.8 |
| 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"). | 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.

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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Generated 04/02/25 13:49:57

## JOB DESCRIPTION

VER-25Q1
VER_000_RAD

## JOB NUMBER

500-264493-2

Eurofins Chicago
18410 Crossing Drive
Suite E
Tinley Park IL 60487

See page two for job notes and contact information.



my EOL

# Eurofins Chicago

## 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 Chicago Project Manager.

## Authorization

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# Case Narrative

Client: Vistra Energy Corp
Project: VER-25Q1

Job ID: 500-264493-2



## Job ID: 500-264493-2 Eurofins Chicago

**Job Narrative**
**500-264493-2**

**Receipt**
The samples were received on 02/26/25 12:31. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.3º C, 1.9º C, 2.7º C, 2.8º C, 2.8º C, 3.2º C, 4.8º C and 4.8º C.

**Receipt Exceptions**
No Radium 226 and 228 analysis performed for sample: 17 (500-264493-21) due to insufficient sample volume received. All other metals and inorganic analyses performed, as sufficient volume was received for those tests.

Samples for the following wells were unable to be collected and have no results reported for them:
Wells 16!B, 35#S, 72, and OED1 were dry at the time of sampling.
Wells 101& and 103R could not be collected due to equipment issues on site.

**RAD**
Method 904.0: Radium 228 batch 705867
The detection goal was not met for the following samples due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 21 (500-264493-3), 02 (500-264493-4), 07R (500-264493-7) and 22 (500-264493-22). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 batch 706369
The detection goal was not met for the following samples due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 41_FD (500-264493-25) and 10R (500-264493-30). Analytical results are reported with the detection limit achieved.

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

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 16A — Lab Sample ID: 500-264493-1

No Detections.

## Client Sample ID: 16A_FD — Lab Sample ID: 500-264493-2

No Detections.

## Client Sample ID: 21 — Lab Sample ID: 500-264493-3

No Detections.

## Client Sample ID: 02 — Lab Sample ID: 500-264493-4

No Detections.

## Client Sample ID: 04 — Lab Sample ID: 500-264493-5

No Detections.

## Client Sample ID: 04_FD — Lab Sample ID: 500-264493-6

No Detections.

## Client Sample ID: 07R — Lab Sample ID: 500-264493-7

No Detections.

## Client Sample ID: 20 — Lab Sample ID: 500-264493-8

No Detections.

## Client Sample ID: 34 — Lab Sample ID: 500-264493-9

No Detections.

## Client Sample ID: 36 — Lab Sample ID: 500-264493-10

No Detections.

## Client Sample ID: 37 — Lab Sample ID: 500-264493-11

No Detections.

## Client Sample ID: 37_FD — Lab Sample ID: 500-264493-12

No Detections.

## Client Sample ID: 38 — Lab Sample ID: 500-264493-13

No Detections.

## Client Sample ID: 70&D — Lab Sample ID: 500-264493-14

No Detections.

## Client Sample ID: 70#S — Lab Sample ID: 500-264493-15

No Detections.

## Client Sample ID: 03R — Lab Sample ID: 500-264493-18

No Detections.

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 05 — Lab Sample ID: 500-264493-19

No Detections.

## Client Sample ID: 08R — Lab Sample ID: 500-264493-20

No Detections.

## Client Sample ID: 22 — Lab Sample ID: 500-264493-22

No Detections.

## Client Sample ID: 35&D — Lab Sample ID: 500-264493-23

No Detections.

## Client Sample ID: 41 — Lab Sample ID: 500-264493-24

No Detections.

## Client Sample ID: 41_FD — Lab Sample ID: 500-264493-25

No Detections.

## Client Sample ID: 42 — Lab Sample ID: 500-264493-26

No Detections.

## Client Sample ID: 43 — Lab Sample ID: 500-264493-27

No Detections.

## Client Sample ID: 71&D — Lab Sample ID: 500-264493-28

No Detections.

## Client Sample ID: 71#S — Lab Sample ID: 500-264493-29

No Detections.

## Client Sample ID: 10R — Lab Sample ID: 500-264493-30

No Detections.

## Client Sample ID: FB — Lab Sample ID: 500-264493-31

No Detections.

This Detection Summary does not include radiochemical test results.

# Method Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| Ra226_Ra228 Pos | 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:**

EPA = US Environmental Protection Agency

None = None

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

# Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 500-264493-1 | 16A | Water | 02/25/25 12:50 | 02/26/25 12:31 |
| 500-264493-2 | 16A_FD | Water | 02/25/25 12:55 | 02/26/25 12:31 |
| 500-264493-3 | 21 | Water | 02/25/25 15:20 | 02/26/25 12:31 |
| 500-264493-4 | 02 | Water | 02/26/25 11:55 | 02/27/25 12:49 |
| 500-264493-5 | 04 | Water | 02/26/25 12:30 | 02/27/25 12:49 |
| 500-264493-6 | 04_FD | Water | 02/26/25 12:30 | 02/27/25 12:49 |
| 500-264493-7 | 07R | Water | 02/26/25 10:40 | 02/27/25 12:49 |
| 500-264493-8 | 20 | Water | 02/26/25 10:25 | 02/27/25 12:49 |
| 500-264493-9 | 34 | Water | 02/26/25 11:15 | 02/27/25 12:49 |
| 500-264493-10 | 36 | Water | 02/26/25 08:50 | 02/27/25 12:49 |
| 500-264493-11 | 37 | Water | 02/26/25 09:25 | 02/27/25 12:49 |
| 500-264493-12 | 37_FD | Water | 02/26/25 09:30 | 02/27/25 12:49 |
| 500-264493-13 | 38 | Water | 02/26/25 09:30 | 02/27/25 12:49 |
| 500-264493-14 | 70&D | Water | 02/26/25 14:55 | 02/27/25 12:49 |
| 500-264493-15 | 70#S | Water | 02/26/25 14:15 | 02/27/25 12:49 |
| 500-264493-18 | 03R | Water | 02/27/25 14:10 | 02/28/25 13:18 |
| 500-264493-19 | 05 | Water | 02/27/25 12:45 | 02/28/25 13:18 |
| 500-264493-20 | 08R | Water | 02/27/25 14:50 | 02/28/25 13:18 |
| 500-264493-22 | 22 | Water | 02/27/25 15:15 | 02/28/25 13:18 |
| 500-264493-23 | 35&D | Water | 02/27/25 10:55 | 02/28/25 13:18 |
| 500-264493-24 | 41 | Water | 02/27/25 13:20 | 02/28/25 13:18 |
| 500-264493-25 | 41_FD | Water | 02/27/25 13:25 | 02/28/25 13:18 |
| 500-264493-26 | 42 | Water | 02/27/25 11:15 | 02/28/25 13:18 |
| 500-264493-27 | 43 | Water | 02/27/25 13:10 | 02/28/25 13:18 |
| 500-264493-28 | 71&D | Water | 02/27/25 10:05 | 02/28/25 13:18 |
| 500-264493-29 | 71#S | Water | 02/27/25 09:00 | 02/28/25 13:18 |
| 500-264493-30 | 10R | Water | 02/28/25 09:45 | 02/28/25 16:15 |
| 500-264493-31 | FB | Water | 02/28/25 08:20 | 02/28/25 16:15 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 16A

**Date Collected: 02/25/25 12:50**
**Date Received: 02/26/25 12:31**

## Lab Sample ID: 500-264493-1

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.487 | | 0.171 | 0.176 | 1.00 | 0.190 | pCi/L | 03/04/25 07:34 | 04/01/25 09:55 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *87.2* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:55* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.29 | | 0.505 | 0.519 | 1.00 | 0.618 | pCi/L | 03/04/25 07:37 | 03/27/25 14:29 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *87.2* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:29* | *1* |
| *Y Carrier* | *87.1* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:29* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.78 | | 0.533 | 0.548 | 5.00 | 0.618 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 16A_FD

**Date Collected: 02/25/25 12:55**
**Date Received: 02/26/25 12:31**

## Lab Sample ID: 500-264493-2

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.416** | | 0.149 | 0.154 | 1.00 | 0.164 | pCi/L | 03/04/25 07:34 | 04/01/25 09:43 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.9* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:43* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.0439 | U | 0.343 | 0.343 | 1.00 | 0.664 | pCi/L | 03/04/25 07:37 | 03/27/25 14:29 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.9* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:29* | *1* |
| *Y Carrier* | *87.9* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:29* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.416 | U | 0.374 | 0.376 | 5.00 | 0.664 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 21

**Date Collected: 02/25/25 15:20**
**Date Received: 02/26/25 12:31**

## Lab Sample ID: 500-264493-3

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.188 | | 0.130 | 0.131 | 1.00 | 0.180 | pCi/L | 03/04/25 07:34 | 04/01/25 09:43 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.7* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:43* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.247 | U G | 0.625 | 0.625 | 1.00 | 1.10 | pCi/L | 03/04/25 07:37 | 03/27/25 14:29 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.7* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:29* | *1* |
| *Y Carrier* | *86.0* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:29* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.435 | U | 0.638 | 0.639 | 5.00 | 1.10 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 02

**Date Collected: 02/26/25 11:55**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-4

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.291 | | 0.159 | 0.161 | 1.00 | 0.209 | pCi/L | 03/04/25 07:34 | 04/01/25 09:43 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.2* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:43* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.193 | U G | 0.620 | 0.621 | 1.00 | 1.10 | pCi/L | 03/04/25 07:37 | 03/27/25 14:30 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.2* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:30* | *1* |
| *Y Carrier* | *86.0* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:30* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.484 | U | 0.640 | 0.642 | 5.00 | 1.10 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 04

**Date Collected: 02/26/25 12:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-5

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.293** | | 0.129 | 0.132 | 1.00 | 0.150 | pCi/L | 03/04/25 07:34 | 04/01/25 09:44 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.6* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:44* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.629 | U | 0.508 | 0.511 | 1.00 | 0.791 | pCi/L | 03/04/25 07:37 | 03/27/25 14:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.6* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |
| *Y Carrier* | *82.6* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.922** | | 0.524 | 0.528 | 5.00 | 0.791 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 04_FD

**Date Collected: 02/26/25 12:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-6

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.429** | | 0.144 | 0.149 | 1.00 | 0.143 | pCi/L | 03/04/25 07:34 | 04/01/25 09:44 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.5* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:44* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.332 | U | 0.428 | 0.429 | 1.00 | 0.712 | pCi/L | 03/04/25 07:37 | 03/27/25 14:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.5* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |
| *Y Carrier* | *86.7* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.761** | | 0.452 | 0.454 | 5.00 | 0.712 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 07R

**Date Collected: 02/26/25 10:40**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-7

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.153 | U | 0.145 | 0.145 | 1.00 | 0.225 | pCi/L | 03/04/25 07:34 | 04/01/25 15:13 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *74.6* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 15:13* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **1.78** | **G** | 0.809 | 0.825 | 1.00 | 1.09 | pCi/L | 03/04/25 07:37 | 03/27/25 14:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *74.6* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |
| *Y Carrier* | *89.7* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.94** | | 0.822 | 0.838 | 5.00 | 1.09 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 20

**Date Collected: 02/26/25 10:25**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-8

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.120 | U | 0.0907 | 0.0914 | 1.00 | 0.130 | pCi/L | 03/04/25 07:34 | 04/01/25 18:43 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.8* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 18:43* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.0424 | U | 0.391 | 0.391 | 1.00 | 0.723 | pCi/L | 03/04/25 07:37 | 03/27/25 14:31 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.8* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |
| *Y Carrier* | *86.4* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:31* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.162 | U | 0.401 | 0.402 | 5.00 | 0.723 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 34

**Date Collected: 02/26/25 11:15**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-9

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.272** | | 0.142 | 0.144 | 1.00 | 0.174 | pCi/L | 03/04/25 07:34 | 04/01/25 18:44 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.0* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 18:44* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.454 | U | 0.524 | 0.526 | 1.00 | 0.860 | pCi/L | 03/04/25 07:37 | 03/27/25 14:45 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.0* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:45* | *1* |
| *Y Carrier* | *90.1* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:45* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.726 | U | 0.543 | 0.545 | 5.00 | 0.860 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 36

**Date Collected: 02/26/25 08:50**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-10

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.112 | U | 0.0885 | 0.0891 | 1.00 | 0.126 | pCi/L | 03/04/25 07:34 | 04/01/25 18:44 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.9* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 18:44* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **1.05** | | 0.504 | 0.513 | 1.00 | 0.654 | pCi/L | 03/04/25 07:37 | 03/27/25 14:45 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *81.9* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:45* | *1* |
| *Y Carrier* | *83.0* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:45* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.17** | | 0.512 | 0.521 | 5.00 | 0.654 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 37

**Date Collected: 02/26/25 09:25**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-11

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.570** | | 0.188 | 0.195 | 1.00 | 0.191 | pCi/L | 03/04/25 07:34 | 04/01/25 18:47 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.0* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 18:47* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.431 | U | 0.586 | 0.587 | 1.00 | 0.983 | pCi/L | 03/04/25 07:37 | 03/27/25 14:46 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.0* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |
| *Y Carrier* | *74.8* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.00** | | 0.615 | 0.619 | 5.00 | 0.983 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 37_FD

**Date Collected: 02/26/25 09:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-12

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.374** | | 0.159 | 0.163 | 1.00 | 0.178 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.0* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.752 | U | 0.556 | 0.560 | 1.00 | 0.836 | pCi/L | 03/04/25 07:37 | 03/27/25 14:46 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *89.0* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |
| *Y Carrier* | *83.7* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.13** | | 0.578 | 0.583 | 5.00 | 0.836 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 38

**Date Collected: 02/26/25 09:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-13

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.498 | | 0.179 | 0.184 | 1.00 | 0.178 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.9* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.352 | U | 0.558 | 0.559 | 1.00 | 0.952 | pCi/L | 03/04/25 07:37 | 03/27/25 14:46 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.9* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |
| *Y Carrier* | *83.7* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.850 | U | 0.586 | 0.589 | 5.00 | 0.952 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 70&D

**Date Collected: 02/26/25 14:55**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-14

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.496** | | 0.159 | 0.165 | 1.00 | 0.165 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *90.6* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.327 | U | 0.371 | 0.372 | 1.00 | 0.607 | pCi/L | 03/04/25 07:37 | 03/27/25 14:46 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *90.6* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |
| *Y Carrier* | *93.5* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.823** | | 0.404 | 0.407 | 5.00 | 0.607 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 70#S

**Date Collected: 02/26/25 14:15**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-15

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0215 | U | 0.0804 | 0.0804 | 1.00 | 0.152 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.1* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.277 | U | 0.293 | 0.294 | 1.00 | 0.653 | pCi/L | 03/04/25 07:37 | 03/27/25 14:46 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.1* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |
| *Y Carrier* | *90.5* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.0215 | U | 0.304 | 0.305 | 5.00 | 0.653 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 03R

**Date Collected: 02/27/25 14:10**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-18

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.524** | | 0.207 | 0.212 | 1.00 | 0.237 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *77.7* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.627 | U | 0.606 | 0.609 | 1.00 | 0.966 | pCi/L | 03/04/25 07:37 | 03/27/25 14:46 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *77.7* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |
| *Y Carrier* | *88.2* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:46* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **1.15** | | 0.640 | 0.645 | 5.00 | 0.966 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 05

**Date Collected: 02/27/25 12:45**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-19

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.235 | | 0.113 | 0.115 | 1.00 | 0.132 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.6* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.447 | U | 0.449 | 0.451 | 1.00 | 0.723 | pCi/L | 03/04/25 07:37 | 03/27/25 14:42 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.6* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:42* | *1* |
| *Y Carrier* | *86.4* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:42* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.682 | U | 0.463 | 0.465 | 5.00 | 0.723 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 08R

**Date Collected: 02/27/25 14:50**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-20

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.134 | U | 0.0979 | 0.0986 | 1.00 | 0.138 | pCi/L | 03/04/25 07:34 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.3* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-228** | **0.861** | | 0.537 | 0.543 | 1.00 | 0.795 | pCi/L | 03/04/25 07:37 | 03/27/25 14:42 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *84.3* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:42* | *1* |
| *Y Carrier* | *87.5* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:42* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.995** | | 0.546 | 0.552 | 5.00 | 0.795 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 22

**Date Collected: 02/27/25 15:15**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-22

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 2.50 | | 0.478 | 0.528 | 1.00 | 0.252 | pCi/L | 03/04/25 07:36 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *71.5* | | *30 - 110* | *03/04/25 07:36* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 3.70 | G | 1.32 | 1.36 | 1.00 | 1.65 | pCi/L | 03/04/25 07:37 | 03/27/25 14:42 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *71.5* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:42* | *1* |
| *Y Carrier* | *96.8* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:42* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 6.19 | | 1.40 | 1.46 | 5.00 | 1.65 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 35&D

**Date Collected: 02/27/25 10:55**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-23

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0701 | U | 0.0767 | 0.0770 | 1.00 | 0.122 | pCi/L | 03/04/25 07:36 | 04/01/25 20:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.1* | | *30 - 110* | *03/04/25 07:36* | *04/01/25 20:12* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.358 | U | 0.471 | 0.472 | 1.00 | 0.786 | pCi/L | 03/04/25 07:37 | 03/27/25 14:43 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *86.1* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:43* | *1* |
| *Y Carrier* | *86.4* | | *30 - 110* | *03/04/25 07:37* | *03/27/25 14:43* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.428 | U | 0.477 | 0.478 | 5.00 | 0.786 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 41

**Date Collected: 02/27/25 13:20**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-24

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.335 | | 0.192 | 0.195 | 1.00 | 0.261 | pCi/L | 03/06/25 07:49 | 04/01/25 22:17 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *80.2* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:17* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.503 | U | 0.589 | 0.591 | 1.00 | 0.969 | pCi/L | 03/06/25 07:52 | 03/28/25 13:47 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *80.2* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:47* | *1* |
| *Y Carrier* | *83.7* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:47* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.839 | U | 0.620 | 0.622 | 5.00 | 0.969 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 41_FD

**Date Collected: 02/27/25 13:25**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-25

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.268 | | 0.179 | 0.181 | 1.00 | 0.252 | pCi/L | 03/06/25 07:49 | 04/01/25 22:17 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *72.1* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:17* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.667 | U G | 0.634 | 0.637 | 1.00 | 1.01 | pCi/L | 03/06/25 07:52 | 03/28/25 13:48 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *72.1* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:48* | *1* |
| *Y Carrier* | *84.5* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:48* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.935 | U | 0.659 | 0.662 | 5.00 | 1.01 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 42

**Date Collected: 02/27/25 11:15**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-26

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.173 | U | 0.125 | 0.126 | 1.00 | 0.183 | pCi/L | 03/06/25 07:49 | 04/01/25 22:17 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *82.0* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:17* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.417 | U | 0.382 | 0.384 | 1.00 | 0.598 | pCi/L | 03/06/25 07:52 | 03/28/25 13:48 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *82.0* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:48* | *1* |
| *Y Carrier* | *81.1* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:48* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.590 | U | 0.402 | 0.404 | 5.00 | 0.598 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 43

**Date Collected: 02/27/25 13:10**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-27

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.307** | | 0.128 | 0.130 | 1.00 | 0.125 | pCi/L | 03/06/25 07:49 | 04/01/25 22:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *78.6* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.638 | U | 0.486 | 0.489 | 1.00 | 0.748 | pCi/L | 03/06/25 07:52 | 03/28/25 13:59 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *78.6* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:59* | *1* |
| *Y Carrier* | *90.5* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:59* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium 226 and 228** | **0.944** | | 0.503 | 0.506 | 5.00 | 0.748 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 71&D

**Date Collected: 02/27/25 10:05**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-28

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.506 | | 0.174 | 0.180 | 1.00 | 0.159 | pCi/L | 03/06/25 07:49 | 04/01/25 22:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *68.5* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 1.37 | | 0.614 | 0.627 | 1.00 | 0.801 | pCi/L | 03/06/25 07:52 | 03/28/25 13:59 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *68.5* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:59* | *1* |
| *Y Carrier* | *82.2* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:59* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 1.88 | | 0.638 | 0.652 | 5.00 | 0.801 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 71#S

**Date Collected: 02/27/25 09:00**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-29

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0869 | U | 0.123 | 0.123 | 1.00 | 0.208 | pCi/L | 03/06/25 07:49 | 04/01/25 22:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *76.3* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.688 | U | 0.514 | 0.517 | 1.00 | 0.785 | pCi/L | 03/06/25 07:52 | 03/28/25 13:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *76.3* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:50* | *1* |
| *Y Carrier* | *81.1* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:50* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.775 | U | 0.529 | 0.531 | 5.00 | 0.785 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 10R

**Date Collected: 02/28/25 09:45**
**Date Received: 02/28/25 16:15**

## Lab Sample ID: 500-264493-30

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radium-226** | **0.383** | | 0.223 | 0.226 | 1.00 | 0.286 | pCi/L | 03/06/25 07:49 | 04/01/25 22:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *80.2* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.200 | U G | 0.715 | 0.715 | 1.00 | 1.30 | pCi/L | 03/06/25 07:52 | 03/28/25 13:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *80.2* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:50* | *1* |
| *Y Carrier* | *87.1* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:50* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.583 | U | 0.749 | 0.750 | 5.00 | 1.30 | pCi/L | | 04/02/25 12:29 | 1 |

# Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: FB

**Date Collected: 02/28/25 08:20**
**Date Received: 02/28/25 16:15**

## Lab Sample ID: 500-264493-31

**Matrix: Water**

### Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.0748 | U | 0.0972 | 0.0975 | 1.00 | 0.162 | pCi/L | 03/06/25 07:49 | 04/01/25 22:18 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.5* | | *30 - 110* | *03/06/25 07:49* | *04/01/25 22:18* | *1* |

### Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.0268 | U | 0.332 | 0.332 | 1.00 | 0.619 | pCi/L | 03/06/25 07:52 | 03/28/25 13:50 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *88.5* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:50* | *1* |
| *Y Carrier* | *86.0* | | *30 - 110* | *03/06/25 07:52* | *03/28/25 13:50* | *1* |

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

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium 226 and 228 | 0.102 | U | 0.346 | 0.346 | 5.00 | 0.619 | pCi/L | | 04/02/25 12:29 | 1 |

# Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Qualifiers

### Rad

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

## Glossary

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

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Rad

### Prep Batch: 705866

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | PrecSep-21 | |
| 500-264493-2 | 16A_FD | Total/NA | Water | PrecSep-21 | |
| 500-264493-3 | 21 | Total/NA | Water | PrecSep-21 | |
| 500-264493-4 | 02 | Total/NA | Water | PrecSep-21 | |
| 500-264493-5 | 04 | Total/NA | Water | PrecSep-21 | |
| 500-264493-6 | 04_FD | Total/NA | Water | PrecSep-21 | |
| 500-264493-7 | 07R | Total/NA | Water | PrecSep-21 | |
| 500-264493-8 | 20 | Total/NA | Water | PrecSep-21 | |
| 500-264493-9 | 34 | Total/NA | Water | PrecSep-21 | |
| 500-264493-10 | 36 | Total/NA | Water | PrecSep-21 | |
| 500-264493-11 | 37 | Total/NA | Water | PrecSep-21 | |
| 500-264493-12 | 37_FD | Total/NA | Water | PrecSep-21 | |
| 500-264493-13 | 38 | Total/NA | Water | PrecSep-21 | |
| 500-264493-14 | 70&D | Total/NA | Water | PrecSep-21 | |
| 500-264493-15 | 70#S | Total/NA | Water | PrecSep-21 | |
| 500-264493-18 | 03R | Total/NA | Water | PrecSep-21 | |
| 500-264493-19 | 05 | Total/NA | Water | PrecSep-21 | |
| 500-264493-20 | 08R | Total/NA | Water | PrecSep-21 | |
| 500-264493-22 | 22 | Total/NA | Water | PrecSep-21 | |
| 500-264493-23 | 35&D | Total/NA | Water | PrecSep-21 | |
| MB 160-705866/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-705866/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 500-264493-3 MS | 21 | Total/NA | Water | PrecSep-21 | |
| 500-264493-3 MSD | 21 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 705867

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-1 | 16A | Total/NA | Water | PrecSep_0 | |
| 500-264493-2 | 16A_FD | Total/NA | Water | PrecSep_0 | |
| 500-264493-3 | 21 | Total/NA | Water | PrecSep_0 | |
| 500-264493-4 | 02 | Total/NA | Water | PrecSep_0 | |
| 500-264493-5 | 04 | Total/NA | Water | PrecSep_0 | |
| 500-264493-6 | 04_FD | Total/NA | Water | PrecSep_0 | |
| 500-264493-7 | 07R | Total/NA | Water | PrecSep_0 | |
| 500-264493-8 | 20 | Total/NA | Water | PrecSep_0 | |
| 500-264493-9 | 34 | Total/NA | Water | PrecSep_0 | |
| 500-264493-10 | 36 | Total/NA | Water | PrecSep_0 | |
| 500-264493-11 | 37 | Total/NA | Water | PrecSep_0 | |
| 500-264493-12 | 37_FD | Total/NA | Water | PrecSep_0 | |
| 500-264493-13 | 38 | Total/NA | Water | PrecSep_0 | |
| 500-264493-14 | 70&D | Total/NA | Water | PrecSep_0 | |
| 500-264493-15 | 70#S | Total/NA | Water | PrecSep_0 | |
| 500-264493-18 | 03R | Total/NA | Water | PrecSep_0 | |
| 500-264493-19 | 05 | Total/NA | Water | PrecSep_0 | |
| 500-264493-20 | 08R | Total/NA | Water | PrecSep_0 | |
| 500-264493-22 | 22 | Total/NA | Water | PrecSep_0 | |
| 500-264493-23 | 35&D | Total/NA | Water | PrecSep_0 | |
| MB 160-705867/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-705867/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 500-264493-3 MS | 21 | Total/NA | Water | PrecSep_0 | |
| 500-264493-3 MSD | 21 | Total/NA | Water | PrecSep_0 | |

# QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Rad

### Prep Batch: 706368

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-24 | 41 | Total/NA | Water | PrecSep-21 | |
| 500-264493-25 | 41_FD | Total/NA | Water | PrecSep-21 | |
| 500-264493-26 | 42 | Total/NA | Water | PrecSep-21 | |
| 500-264493-27 | 43 | Total/NA | Water | PrecSep-21 | |
| 500-264493-28 | 71&D | Total/NA | Water | PrecSep-21 | |
| 500-264493-29 | 71#S | Total/NA | Water | PrecSep-21 | |
| 500-264493-30 | 10R | Total/NA | Water | PrecSep-21 | |
| 500-264493-31 | FB | Total/NA | Water | PrecSep-21 | |
| MB 160-706368/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-706368/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |
| 500-264493-26 MS | 42 | Total/NA | Water | PrecSep-21 | |
| 500-264493-26 MSD | 42 | Total/NA | Water | PrecSep-21 | |

### Prep Batch: 706369

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 500-264493-24 | 41 | Total/NA | Water | PrecSep_0 | |
| 500-264493-25 | 41_FD | Total/NA | Water | PrecSep_0 | |
| 500-264493-26 | 42 | Total/NA | Water | PrecSep_0 | |
| 500-264493-27 | 43 | Total/NA | Water | PrecSep_0 | |
| 500-264493-28 | 71&D | Total/NA | Water | PrecSep_0 | |
| 500-264493-29 | 71#S | Total/NA | Water | PrecSep_0 | |
| 500-264493-30 | 10R | Total/NA | Water | PrecSep_0 | |
| 500-264493-31 | FB | Total/NA | Water | PrecSep_0 | |
| MB 160-706369/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-706369/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |
| 500-264493-26 MS | 42 | Total/NA | Water | PrecSep_0 | |
| 500-264493-26 MSD | 42 | Total/NA | Water | PrecSep_0 | |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Method: 903.0 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-705866/1-A**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 705866**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.006719 | U | 0.0724 | 0.0724 | 1.00 | 0.145 | pCi/L | 03/04/25 07:34 | 04/01/25 09:55 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Ba Carrier* | *85.9* | | *30 - 110* | *03/04/25 07:34* | *04/01/25 09:55* | *1* |

**Lab Sample ID: LCS 160-705866/2-A**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 705866**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | | | 9.58 | 8.967 | | 1.01 | 1.00 | 0.185 | pCi/L | 94 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *84.3* | | *30 - 110* |

**Lab Sample ID: 500-264493-3 MS**
**Matrix: Water**
**Analysis Batch: 710157**

**Client Sample ID: 21**
**Prep Type: Total/NA**
**Prep Batch: 705866**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.188 | | 12.7 | 11.61 | | 1.29 | 1.00 | 0.177 | pCi/L | 90 | 60 - 140 | | |

| *Carrier* | *MS %Yield* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *85.1* | | *30 - 110* |

**Lab Sample ID: 500-264493-3 MSD**
**Matrix: Water**
**Analysis Batch: 710157**

**Client Sample ID: 21**
**Prep Type: Total/NA**
**Prep Batch: 705866**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.188 | | 12.7 | 12.32 | | 1.37 | 1.00 | 0.197 | pCi/L | 95 | 60 - 140 | 0.27 | 1 |

| *Carrier* | *MSD %Yield* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Ba Carrier* | *81.9* | | *30 - 110* |

**Lab Sample ID: MB 160-706368/1-A**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 706368**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.02352 | U | 0.0954 | 0.0954 | 1.00 | 0.179 | pCi/L | 03/06/25 07:49 | 04/01/25 20:16 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Method: 903.0 - Radium-226 (GFPC) (Continued)

**Lab Sample ID: MB 160-706368/1-A**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 706368**

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 93.2 | | 30 - 110 | 03/06/25 07:49 | 04/01/25 20:16 | 1 |

**Lab Sample ID: LCS 160-706368/2-A**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 706368**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 9.58 | 8.455 | | 0.949 | 1.00 | 0.132 | pCi/L | 88 | 75 - 125 |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 90.4 | | 30 - 110 |

**Lab Sample ID: 500-264493-26 MS**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: 42**
**Prep Type: Total/NA**
**Prep Batch: 706368**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.173 | U | 9.54 | 8.194 | | 0.949 | 1.00 | 0.150 | pCi/L | 84 | 60 - 140 |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 78.9 | | 30 - 110 |

**Lab Sample ID: 500-264493-26 MSD**
**Matrix: Water**
**Analysis Batch: 710156**

**Client Sample ID: 42**
**Prep Type: Total/NA**
**Prep Batch: 706368**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 0.173 | U | 9.57 | 9.301 | | 1.04 | 1.00 | 0.145 | pCi/L | 95 | 60 - 140 | 0.56 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 84.6 | | 30 - 110 |

## Method: 904.0 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-705867/1-A**
**Matrix: Water**
**Analysis Batch: 709481**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 705867**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | -0.03780 | U | 0.391 | 0.391 | 1.00 | 0.740 | pCi/L | 03/04/25 07:37 | 03/27/25 14:29 | 1 |

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 85.9 | | 30 - 110 | 03/04/25 07:37 | 03/27/25 14:29 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Method: 904.0 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: MB 160-705867/1-A**
**Matrix: Water**
**Analysis Batch: 709481**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 705867**

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Y Carrier | 88.6 | | 30 - 110 | 03/04/25 07:37 | 03/27/25 14:29 | 1 |

**Lab Sample ID: LCS 160-705867/2-A**
**Matrix: Water**
**Analysis Batch: 709481**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 705867**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 7.99 | 9.095 | | 1.42 | 1.00 | 0.715 | pCi/L | 114 | 75 - 125 | | |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 84.3 | | 30 - 110 |
| Y Carrier | 81.1 | | 30 - 110 |

**Lab Sample ID: 500-264493-3 MS**
**Matrix: Water**
**Analysis Batch: 709481**

**Client Sample ID: 21**
**Prep Type: Total/NA**
**Prep Batch: 705867**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.247 | U G | 10.6 | 11.14 | | 1.77 | 1.00 | 0.946 | pCi/L | 103 | 60 - 140 | | |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 85.1 | | 30 - 110 |
| Y Carrier | 84.1 | | 30 - 110 |

**Lab Sample ID: 500-264493-3 MSD**
**Matrix: Water**
**Analysis Batch: 709481**

**Client Sample ID: 21**
**Prep Type: Total/NA**
**Prep Batch: 705867**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.247 | U G | 10.6 | 12.99 | | 2.03 | 1.00 | 1.13 | pCi/L | 120 | 60 - 140 | 0.49 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 81.9 | | 30 - 110 |
| Y Carrier | 80.4 | | 30 - 110 |

**Lab Sample ID: MB 160-706369/1-A**
**Matrix: Water**
**Analysis Batch: 709818**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 706369**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.8359 | | 0.434 | 0.441 | 1.00 | 0.624 | pCi/L | 03/06/25 07:52 | 03/28/25 12:18 | 1 |

# QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Method: 904.0 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: MB 160-706369/1-A**
**Matrix: Water**
**Analysis Batch: 709818**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 706369**

| Carrier | MB %Yield | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| Ba Carrier | 93.2 | | 30 - 110 | 03/06/25 07:52 | 03/28/25 12:18 | 1 |
| Y Carrier | 84.5 | | 30 - 110 | 03/06/25 07:52 | 03/28/25 12:18 | 1 |

**Lab Sample ID: LCS 160-706369/2-A**
**Matrix: Water**
**Analysis Batch: 709819**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 706369**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | | | 7.98 | 8.322 | | 1.20 | 1.00 | 0.587 | pCi/L | 104 | 75 - 125 | | |

| Carrier | LCS %Yield | LCS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 90.4 | | 30 - 110 |
| Y Carrier | 83.4 | | 30 - 110 |

**Lab Sample ID: 500-264493-26 MS**
**Matrix: Water**
**Analysis Batch: 709818**

**Client Sample ID: 42**
**Prep Type: Total/NA**
**Prep Batch: 706369**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.417 | U | 7.95 | 9.212 | | 1.41 | 1.00 | 0.660 | pCi/L | 111 | 60 - 140 | | |

| Carrier | MS %Yield | MS Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 78.9 | | 30 - 110 |
| Y Carrier | 81.1 | | 30 - 110 |

**Lab Sample ID: 500-264493-26 MSD**
**Matrix: Water**
**Analysis Batch: 709818**

**Client Sample ID: 42**
**Prep Type: Total/NA**
**Prep Batch: 706369**

| Analyte | Sample Result | Sample Qual | Spike Added | MSD Result | MSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 0.417 | U | 7.98 | 8.664 | | 1.30 | 1.00 | 0.616 | pCi/L | 103 | 60 - 140 | 0.20 | 1 |

| Carrier | MSD %Yield | MSD Qualifier | Limits |
|---|---|---|---|
| Ba Carrier | 84.6 | | 30 - 110 |
| Y Carrier | 89.0 | | 30 - 110 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 16A
**Lab Sample ID: 500-264493-1**
**Date Collected: 02/25/25 12:50**
**Matrix: Water**
**Date Received: 02/26/25 12:31**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 09:55 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:29 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 16A_FD
**Lab Sample ID: 500-264493-2**
**Date Collected: 02/25/25 12:55**
**Matrix: Water**
**Date Received: 02/26/25 12:31**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710157 | SWS | EET SL | 04/01/25 09:43 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:29 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 21
**Lab Sample ID: 500-264493-3**
**Date Collected: 02/25/25 15:20**
**Matrix: Water**
**Date Received: 02/26/25 12:31**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710157 | SWS | EET SL | 04/01/25 09:43 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:29 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 02
**Lab Sample ID: 500-264493-4**
**Date Collected: 02/26/25 11:55**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710157 | SWS | EET SL | 04/01/25 09:43 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:30 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 04
**Date Collected: 02/26/25 12:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-5
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710157 | SWS | EET SL | 04/01/25 09:44 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:31 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 04_FD
**Date Collected: 02/26/25 12:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-6
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710157 | SWS | EET SL | 04/01/25 09:44 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:31 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 07R
**Date Collected: 02/26/25 10:40**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-7
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710297 | SWS | EET SL | 04/01/25 15:13 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:31 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 20
**Date Collected: 02/26/25 10:25**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-8
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710297 | SWS | EET SL | 04/01/25 18:43 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:31 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 34
**Lab Sample ID: 500-264493-9**
**Date Collected: 02/26/25 11:15**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710297 | SWS | EET SL | 04/01/25 18:44 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:45 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 36
**Lab Sample ID: 500-264493-10**
**Date Collected: 02/26/25 08:50**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710297 | SWS | EET SL | 04/01/25 18:44 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:45 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 37
**Lab Sample ID: 500-264493-11**
**Date Collected: 02/26/25 09:25**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710157 | SWS | EET SL | 04/01/25 18:47 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:46 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 37_FD
**Lab Sample ID: 500-264493-12**
**Date Collected: 02/26/25 09:30**
**Matrix: Water**
**Date Received: 02/27/25 12:49**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:46 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 38
**Date Collected: 02/26/25 09:30**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-13
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:46 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 70&D
**Date Collected: 02/26/25 14:55**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-14
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:46 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 70#S
**Date Collected: 02/26/25 14:15**
**Date Received: 02/27/25 12:49**

## Lab Sample ID: 500-264493-15
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:46 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 03R
**Date Collected: 02/27/25 14:10**
**Date Received: 02/28/25 13:18**

## Lab Sample ID: 500-264493-18
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709481 | FLC | EET SL | 03/27/25 14:46 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 05

**Lab Sample ID: 500-264493-19**
**Date Collected: 02/27/25 12:45**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709483 | FLC | EET SL | 03/27/25 14:42 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 08R

**Lab Sample ID: 500-264493-20**
**Date Collected: 02/27/25 14:50**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:34 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709483 | FLC | EET SL | 03/27/25 14:42 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 22

**Lab Sample ID: 500-264493-22**
**Date Collected: 02/27/25 15:15**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:36 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709483 | FLC | EET SL | 03/27/25 14:42 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 35&D

**Lab Sample ID: 500-264493-23**
**Date Collected: 02/27/25 10:55**
**Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 705866 | OGC | EET SL | 03/04/25 07:36 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 20:12 |
| Total/NA | Prep | PrecSep_0 | | | 705867 | OGC | EET SL | 03/04/25 07:37 |
| Total/NA | Analysis | 904.0 | | 1 | 709483 | FLC | EET SL | 03/27/25 14:43 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 41
**Date Collected: 02/27/25 13:20**
**Date Received: 02/28/25 13:18**

**Lab Sample ID: 500-264493-24**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:17 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709818 | FLC | EET SL | 03/28/25 13:47 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 41_FD
**Date Collected: 02/27/25 13:25**
**Date Received: 02/28/25 13:18**

**Lab Sample ID: 500-264493-25**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:17 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709818 | FLC | EET SL | 03/28/25 13:48 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 42
**Date Collected: 02/27/25 11:15**
**Date Received: 02/28/25 13:18**

**Lab Sample ID: 500-264493-26**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:17 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709818 | FLC | EET SL | 03/28/25 13:48 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 43
**Date Collected: 02/27/25 13:10**
**Date Received: 02/28/25 13:18**

**Lab Sample ID: 500-264493-27**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:18 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709817 | FLC | EET SL | 03/28/25 13:59 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

# Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Client Sample ID: 71&D — Lab Sample ID: 500-264493-28

**Date Collected: 02/27/25 10:05** — **Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:18 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709817 | FLC | EET SL | 03/28/25 13:59 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 71#S — Lab Sample ID: 500-264493-29

**Date Collected: 02/27/25 09:00** — **Matrix: Water**
**Date Received: 02/28/25 13:18**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:18 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709819 | FLC | EET SL | 03/28/25 13:50 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: 10R — Lab Sample ID: 500-264493-30

**Date Collected: 02/28/25 09:45** — **Matrix: Water**
**Date Received: 02/28/25 16:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:18 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709819 | FLC | EET SL | 03/28/25 13:50 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

## Client Sample ID: FB — Lab Sample ID: 500-264493-31

**Date Collected: 02/28/25 08:20** — **Matrix: Water**
**Date Received: 02/28/25 16:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | PrecSep-21 | | | 706368 | OGC | EET SL | 03/06/25 07:49 |
| Total/NA | Analysis | 903.0 | | 1 | 710156 | SWS | EET SL | 04/01/25 22:18 |
| Total/NA | Prep | PrecSep_0 | | | 706369 | OGC | EET SL | 03/06/25 07:52 |
| Total/NA | Analysis | 904.0 | | 1 | 709819 | FLC | EET SL | 03/28/25 13:50 |
| Total/NA | Analysis | Ra226_Ra228 Pos | | 1 | 710478 | FLC | EET SL | 04/02/25 12:29 |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Laboratory: Eurofins St. Louis

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Illinois | NELAP | 200023 | 11-30-25 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 903.0 | PrecSep-21 | Water | Radium-226 |
| 904.0 | PrecSep_0 | Water | Radium-228 |
| Ra226_Ra228 Pos | | Water | Radium 226 and 228 |

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-264493 COC

Page 1 of 1

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone: | (217) 753-8911 |
| Fax: | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address: | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

| | | |
|---|---|---|
| NPDES | GROUND WATER | DRINKING WATER |
| UST | RCRA | OTHER |

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

| ITEM # | Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02 | WT | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 2 | 03R | WT | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 3 | 04 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 4 | 04_FD | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 6 | 07R | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 7 | 08R | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 8 | 101& | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 9 | 103R | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 10 | 10R | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 11 | 16A | WT | | 2/25/25 | 1250 | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 12 | 16A_FD | WT | | 2/25/25 | 1255 | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 13 | 16IB | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 14 | 17 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 15 | 20 | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 16 | ~~02~~ GA 21 | WT | | 2/25/25 | 1526 | | | | | | | | | | | X | | X | | X | | | | | | | | MS/MSD |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Assaller/ASE | 2/26/25 | 0830 | N. Ellair | 2/26/25 | 1002 | |
| | N. Ellair | 2/26/25 | 1231 | [illegible] | 2/26/25 | 1231 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: George Assaller

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY) 2/26/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

06-703

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 1 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax: |
| Requested Due Date/TAT: | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To. | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No | |
| Project Name: | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

500-264493 COC

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| | ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 02 | WT | | 2/26/25 | 1155 | | | | | | | | | | | | X | | X | | X | | | | |
| | 2 | 03R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 5 | 3 | 04 | WT | | 2/26/25 | 1230 | | | | | | | | | | | | X | | X | | X | | | | |
| 6 | 4 | 04_FD | WT | | 2/26/25 | 1230 | | | | | | | | | | | | X | | X | | X | | | | |
| | 5 | 05 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 7 | 6 | 07R | WT | | 2/26/25 | 1040 | | | | | | | | | | | | X | | X | | X | | | | |
| | 7 | 08R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| | 8 | 101& | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| | 9 | 103R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| | 10 | 10R | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| | 11 | 16A | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| | 12 | 16A_FD | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| | 13 | 16!B | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 8 | 14 | 17 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| | 15 | 20 | WT | | 2/26/25 | 1025 | | | | | | | | | | | | X | | X | | X | | | | |
| | 16 | 21 | | | | | | | | | | | | | | | | X | | X | | X | | | | MS/MSD |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Assaliny /A3E | 2/27/25 | 0900 | [illegible] | 2/27/25 | 1019 | |
| | [illegible] | 2/27/25 | 1249 | [illegible] | 2/27/25 | 1249 | |

| | |
|---|---|
| SAMPLER NAME AND SIGNATURE | George Assaliny |
| PRINT Name of SAMPLER | George Assaliny |
| SIGNATURE of SAMPLER | [illegible] |
| DATE Signed (MM/DD/YY) | 2/27/25 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

28 → 27

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 2 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address: | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone: | (217) 753-8911 Fax: |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna.tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| | ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 22 | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | |
| 9 | 2 | 34 | WT | | 2/26/25 | 1115 | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| | 3 | 35&D | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| | 4 | 35#S | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | |
| 10 | 5 | 36 | WT | | 2/26/25 | 0850 | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 11 | 6 | 37 | WT | | 2/26/25 | 0925 | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 12 | 7 | 37_FD | WT | | 2/26/25 | 0930 | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 13 | 8 | 38 | WT | | 2/26/25 | 0930 | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| | 9 | 41 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| | 10 | 41_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| | 11 | 42 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | MS/MSD |
| | 12 | 43 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | |
| 14 | 13 | 70&D | WT | | 2/26/25 | 1455 | | | | | | | | | | | | X | | X | | | X | | | | | | | |
| 15 | 14 | 70#S | WT | | 2/26/25 | 1415 | | | | | | | | | | | | X | | X | | | X | | | | | | | |
| | 15 | 71&D | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | |
| | 16 | 71#S | | | | | | | | | | | | | | | | X | | X | | | X | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Asselin / ASE | 2/27/25 | 0900 | [signature] | 2/27/25 | 1019 | |
| | [signature] | 2/27/25 | 1249 | [signature] | 2/27/25 | 1249 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER

SIGNATURE of SAMPLER | DATE Signed (MM/DD/YY)

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Sampler is the same as relinquished by, as on page 1. dbn 022825

29 → 2.8

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

500-264493

Page 3 of 3

**Section A** Required Client Information:

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone: | (217) 753-8911 Fax. |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information.

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna.tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention. | Dianna Tickner |
| Company Name | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

| ITEM # | Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72 | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 2 | ND3 | WT | | 2/26/25 | 1440 | | | | | | | | | | | | | X | | X | | | | |
| 3 | NED1 | WT | | 2/26/25 | 1645 | | | | | | | | | | | | | X | | | X | | | |
| 4 | OED1 | | | | | | | | | | | | | | | | | X | | X | | | | |
| 5 | YSG01 | | | | | | | | | | | | | | | | | | X | X | | | | DTW Only |
| 6 | FB | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME |
|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | [illegible] / ASE | 2/27/25 | 0900 | [illegible] | 2/27/25 | 1019 |
| | [illegible] | 2/27/25 | 1247 | [illegible] | 2/27/25 | 1249 |

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER
SIGNATURE of SAMPLER | DATE Signed (MM/DD/YY)

Sampler is the same as relinquished by, as on page 1. dbn 022825 4.9 → 4.8

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 1 of 2

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To: | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention | Dianna Tickner |
| Company Name: | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 18 2 | 03R | WT | | 2/27/25 | 14:10 | | | | | | | | | | | | X | | X | | X | | | | |
| 3 | 04 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 4 | 04_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 19 5 | 05 | WT | | 2/27/25 | 12:45 | | | | | | | | | | | | X | | X | | X | | | | |
| 6 | 07R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 20 7 | 08R | WT | | 2/27/25 | 14:50 | | | | | | | | | | | | X | | X | | X | | | | |
| 8 | 101& | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 9 | 103R | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 10 | 10R | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 11 | 16A | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 12 | 16A_FD | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 13 | 16!B | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 21 14 | 17 Partial | WT | | 2/27/25 | 09:40 | | | 3 | | 1 | | | | | | | X | | X | | X | | | | |
| 15 | 20 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 16 | 21 | | | | | | | | | | | | | | | | X | | X | | X | | | | MS/MSD |

500-264493 COC

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Asselin | 2/25/25 | 0800 | [illegible] | 2/25/25 | 1030 | |
| [illegible] | [illegible] | 2/28/25 | 1318 | [illegible] | 2/28/25 | 1318 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: George Asselin

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM/DD/YY): 2/28/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

29→28, 20→19, 3.3→3.2

500-264423

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 2 of 28

**Section A** Required Client Information

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To. | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax: |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To. | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information:

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name | Vistra Corp |
| Address. | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE. IL

**Section D** Required Client Information

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 1 | 22 | WT | | 2/27/25 | 15:15 | | | | | | | | | | | | X | | X | | | X | | | |
| 2 | 34 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 23 3 | 35&D | WT | | 2/27/25 | 10:55 | | | | | | | | | | | | X | X | | | | X | X | | |
| 4 | 35#S | | | | | | | | | | | | | | | | X | X | | | | X | X | | |
| 5 | 36 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 6 | 37 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 7 | 37_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 8 | 38 | | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 24 9 | 41 | WT | | 2/27/25 | 13:20 | | | | | | | | | | | | X | | X | | X | | | | |
| 25 10 | 41_FD | WT | | 2/27/25 | 13:25 | | | | | | | | | | | | X | | X | | X | | | | |
| 26 11 | 42 | WT | | 2/27/25 | 11:15 | | | | | | | | | | | | X | | X | | X | | | | MS/MSD |
| 27 12 | 43 | WT | | 2/27/25 | 13:10 | | | | | | | | | | | | X | | X | | X | | | | |
| 13 | 70&D | | | | | | | | | | | | | | | | X | | X | | | X | | | |
| 14 | 70#S | | | | | | | | | | | | | | | | X | | X | | | X | | | |
| 28 15 | 71&D | WT | | 2/27/25 | 10:05 | | | | | | | | | | | | X | | X | | | X | | | |
| 29 16 | 71#S | WT | | 2/27/25 | 09:00 | | | | | | | | | | | | X | | X | | | X | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | George Awalley / ASE | 2/28/25 | 0900 | [illegible signature] | 2/28/25 | 1030 | |
| | [illegible signature] | 2/28/25 | 1318 | [illegible signature] | 2/28/25 | 1318 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: George Awalley

SIGNATURE of SAMPLER: [illegible signature] DATE Signed (MM/DD/YY): 2/28/25 dbn 030325

Temp in °C: 2.9→2.8, 2.0→1.9, 3.3→3.2 | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 1 of 2

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To. | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 |
| Fax | |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information:

| | |
|---|---|
| Report To. | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp.com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention | Dianna Tickner |
| Company Name | Vistra Corp |
| Address | see Section A |
| Quote Reference | |
| Project Manager: | |
| Profile #: | |

500-264493 COC

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | | | | | | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 02 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 2 | 03R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 3 | 04 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 4 | 04_FD | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 5 | 05 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 6 | 07R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 7 | 08R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 8 | 101& | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 9 | 103R | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 30 10 | 10R | WT | | 2/28/25 | 0945 | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 11 | 16A | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 12 | 16A_FD | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 13 | 16IB | | | | | | | | | | | | | | | | X | X | | | | X | X | | | | | | | |
| 14 | 17 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 15 | 20 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | |
| 16 | 21 | | | | | | | | | | | | | | | | X | | X | | X | | | | | | | | | MS/MSD |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | [signature] / ASE | 2/28/25 | 1615 | [signature] | 2/28/25 | 1615 | |

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: George Assellus

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/28/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

49 → 48

500-264493

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page 2 of 2

**Section A** Required Client Information.

| | |
|---|---|
| Company: | Vistra Corp-Vermilion |
| Address | 10188 E 2150 North Rd |
| | Danville, IL 61834 |
| Email To | Brian.Voelker@VistraCorp.com |
| Phone | (217) 753-8911 Fax |
| Requested Due Date/TAT | 10 day |

**Section B** Required Project Information

| | |
|---|---|
| Report To: | Brian Voelker |
| Copy To: | Dianna Tickner - dianna tickner@vistracorp com |
| Purchase Order No. | |
| Project Name | |
| Project Number: | 50024222 |

**Section C** Invoice Information

| | |
|---|---|
| Attention: | Dianna Tickner |
| Company Name | Vistra Corp |
| Address | see Section A |
| Quote Reference: | |
| Project Manager: | |
| Profile #: | |

**REGULATORY AGENCY**

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

**Section D** Required Client Information

**SAMPLE ID** (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

| MATRIX | CODE |
|---|---|
| DRINKING WATER | DW |
| WATER | WT |
| WASTE WATER | WW |
| PRODUCT | P |
| SOIL/SOLID | SL |
| OIL | OL |
| WIPE | WP |
| AIR | AR |
| OTHER | OT |
| TISSUE | TS |

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED DATE | COLLECTED TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) VER_000_RAD | VER_000_A | VER_000_B | VER_000_C | VER_845_910-911 | VER_845_912 | VER_NPDES_912 | Residual Chlorine (Y/N) | Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 72 | | | | | | | | | | | | | | | X | | X | | X | | | | |
| 2 | ND3 | | | | | | | | | | | | | | | | | X | | X | | | | |
| 3 | NED1 | | | | | | | | | | | | | | | | | X | | | X | | | |
| 4 | OED1 | | | | | | | | | | | | | | | | | X | | X | | | | |
| 5 | YSG01 | | | | | | | | | | | | | | | | | | X | X | | | | DTW Only |
| 31 6 | FB | WT | | 2/28/25 | 0820 | | | | | | | | | | | X | X | | | | X | X | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| VER-25Q1 Rev 0 | [signature] / AJE | 2/28/25 | 1615 | [signature] | 2/28/25 | 1615 | |

| SAMPLER NAME AND SIGNATURE | | | |
|---|---|---|---|
| PRINT Name of SAMPLER | George Azzolly | | |
| SIGNATURE of SAMPLER | [signature] | DATE Signed (MM/DD/YY) | 2/28/25 |

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

**Eurofins Chicago**
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Nelson, Dirk | Carrier Tracking No(s): N/A | COC No: 500-198861.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Dirk.Nelson@et.eurofinsus.com | State of Origin: Illinois | Page: Page 1 of 1 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-264493-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/11/2025 | | | 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: VER-25Q1 | Project #: 50024222 | | | |
| Site: Vistra Corp-Vermilion | SSOW#: N/A | | | Other: N/A |

**Analysis Requested**

| 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) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| 16A (500-264493-1) | 2/25/25 | 12:50 Central | G | Water | | | X | X | X | 2 | |
| 16A_FD (500-264493-2) | 2/25/25 | 12:55 Central | G | Water | | | X | X | X | 2 | |
| 21 (500-264493-3) | 2/25/25 | 15:20 Central | G | Water | | | X | X | X | 2 | |
| 21 (500-264493-3MS) | 2/25/25 | 15:20 Central | G | Water | | | X | X | | 2 | |
| 21 (500-264493-3MSD) | 2/25/25 | 15:20 Central | G | Water | | | X | X | | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago 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 Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

| *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 |
|---|---|---|---|---|---|
| [signature] | 2/27/25 16:08 | | M. Pinette | FEB 28 2025 0830 | |
| Relinquished by: | Date/Time: | Company | Received by: Meadow Pinette | 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

**Eurofins Chicago**
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Nelson, Dirk | Carrier Tracking No(s): N/A | COC No: 500-198868.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Dirk.Nelson@et.eurofinsus.com | State of Origin: Illinois | Page: Page 1 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-264493-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/31/2025 | | | 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: VER-25Q1 | Project #: 50024222 | | | |
| Site: Vistra Corp-Vermilion | SSOW#: N/A | | | Other: N/A |

**Analysis Requested**

| 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) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| 02 (500-264493-4) | 2/26/25 | 11:55 Central | G | Water | | | X | X | X | 2 | |
| 04 (500-264493-5) | 2/26/25 | 12:30 Central | G | Water | | | X | X | X | 2 | |
| 04_FD (500-264493-6) | 2/26/25 | 12:30 Central | G | Water | | | X | X | X | 2 | |
| 07R (500-264493-7) | 2/26/25 | 10:40 Central | G | Water | | | X | X | X | 2 | |
| 20 (500-264493-8) | 2/26/25 | 10:25 Central | G | Water | | | X | X | X | 2 | |
| 34 (500-264493-9) | 2/26/25 | 11:15 Central | G | Water | | | X | X | X | 2 | |
| 36 (500-264493-10) | 2/26/25 | 08:50 Central | G | Water | | | X | X | X | 2 | |
| 37 (500-264493-11) | 2/26/25 | 09:25 Central | G | Water | | | X | X | X | 2 | |
| 37_FD (500-264493-12) | 2/26/25 | 09:30 Central | G | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago 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 Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

***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 | Company | Received by | Date/Time | Company |
|---|---|---|---|---|---|
| Stephanie Hernandez | 2/27/25 1500 | EEIA | M. Pinette | FEB 28 2025 0830 | |
| | | | Meadow Pinette | | |
| | | | | | |

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

Ver: 10/10/2024

**Eurofins Chicago**
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: N/A | Lab PM: Nelson, Dirk | Carrier Tracking No(s): N/A | COC No: 500-198868.2 |
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Dirk.Nelson@et.eurofinsus.com | State of Origin: Illinois | Page: Page 2 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-264493-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/31/2025 | | | 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: VER-25Q1 | Project #: 50024222 | | | |
| Site: Vistra Corp-Vermilion | SSOW#: N/A | | | Other: N/A |

**Analysis Requested**

| 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) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| 38 (500-264493-13) | 2/26/25 | 09:30 Central | G | Water | | | X | X | X | 2 | |
| 70&D (500-264493-14) | 2/26/25 | 14:55 Central | G | Water | | | X | X | X | 2 | |
| 70#S (500-264493-15) | 2/26/25 | 14:15 Central | G | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago 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 Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

| | |
|---|---|
| ***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: Stephanie Hell | Date/Time: 2/27/25 1500 | Company: EEA | Received by: M. Pinette | Date/Time: FEB 28 2025 0830 | Company |
| Relinquished by: | Date/Time: | Company | Received by: Meadow Pinette | 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

**Eurofins Chicago**
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: N/A | Lab PM: Nelson, Dirk | Carrier Tracking No(s): N/A | COC No: 500-198916.1 |
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Dirk.Nelson@et.eurofinsus.com | State of Origin: Illinois | Page: Page 1 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-264493-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/31/2025 | | | |
| 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: VER-25Q1 | Project #: 50024222 | | | |
| Site: Vistra Corp-Vermilion | 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) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| 03R (500-264493-18) | 2/27/25 | 14:10 Central | G | Water | | | X | X | X | 2 | |
| 05 (500-264493-19) | 2/27/25 | 12:45 Central | G | Water | | | X | X | X | 2 | |
| 08R (500-264493-20) | 2/27/25 | 14:50 Central | G | Water | | | X | X | X | 2 | |
| 22 (500-264493-22) | 2/27/25 | 15:15 Central | G | Water | | | X | X | X | 2 | |
| 35&D (500-264493-23) | 2/27/25 | 10:55 Central | G | Water | | | X | X | X | 2 | |
| 41 (500-264493-24) | 2/27/25 | 13:20 Central | G | Water | | | X | X | X | 2 | |
| 41_FD (500-264493-25) | 2/27/25 | 13:25 Central | G | Water | | | X | X | X | 2 | |
| 42 (500-264493-26) | 2/27/25 | 11:15 Central | G | Water | | | X | X | X | 2 | |
| 42 (500-264493-26MS) | 2/27/25 | 11:15 Central | G | Water | | | X | X | | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago 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 Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

***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: Stephanie Hernandez | Date/Time: 2/28/25 1600 | Company: EETA | Received by: M. Pinette | Date/Time: MAR 0 3 2025 0815 | Company |
| Relinquished by: | Date/Time: | Company | Received by: Meadow Pinette | 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

**Eurofins Chicago**
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: N/A | Lab PM: Nelson, Dirk | Carrier Tracking No(s): N/A | COC No: 500-198916.2 |
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Dirk.Nelson@et.eurofinsus.com | State of Origin: Illinois | Page: Page 2 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-264493-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/31/2025 | | | 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: VER-25Q1 | Project #: 50024222 | | | |
| Site: Vistra Corp-Vermilion | SSOW#: N/A | | | Other: N/A |

**Analysis Requested**

| 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) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| 42 (500-264493-26MSD) | 2/27/25 | 11:15 Central | G | Water | | | X | X | | 2 | - |
| 43 (500-264493-27) | 2/27/25 | 13:10 Central | G | Water | | | X | X | X | 2 | - |
| 71&D (500-264493-28) | 2/27/25 | 10:05 Central | G | Water | | | X | X | X | 2 | |
| 71#S (500-264493-29) | 2/27/25 | 09:00 Central | G | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago 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 Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

| | |
|---|---|
| ***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: Stephanie Hernandez | Date/Time: 2/28/25 1600 | Company: EETA | Received by: M. Pinette | Date/Time: MAR 0 3 2025 0815 | Company |
| Relinquished by: | Date/Time: | Company | Received by: Meadow Pinette | 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

**Eurofins Chicago**
18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Nelson, Dirk | Carrier Tracking No(s): N/A | COC No: 500-198919.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Dirk.Nelson@et.eurofinsus.com | State of Origin: Illinois | Page: Page 1 of 1 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Illinois | | Job #: 500-264493-2 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 3/13/2025 | | | 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: VER-25Q1 | Project #: 50024222 | | | |
| Site: Vistra Corp-Vermilion | SSOW#: N/A | | | Other: N/A |

**Analysis Requested**

| 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) | 903.0/PrecSep_21 BL | 904.0/PrecSep_0 BL | Ra226_228GFPC_P/ BL | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| 10R (500-264493-30) | 2/28/25 | 09:45 Central | G | Water | | | X | X | X | 2 | |
| FB (500-264493-31) | 2/28/25 | 08:20 Central | G | Water | | | X | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago 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 Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

| *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 |
|---|---|---|---|---|---|
| [signature] | 2/28/25 1650 | | M. Pinette | MAR 0 3 2025 0815 | |
| Relinquished by: | Date/Time: | Company | Received by: Meadow Pinette | 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: Vistra Energy Corp

Job Number: 500-264493-2
SDG Number: VER_000_RAD

**Login Number: 264493**
**List Number: 1**
**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

| 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. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.3,2.7,2.8,4.8,2.8,1.9,3.2,4.8 |
| 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"). | 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.

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-264493-2
SDG Number: VER_000_RAD

**Login Number: 264493**
**List Number: 2**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**
**List Creation: 02/28/25 11:33 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.

# Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-264493-2
SDG Number: VER_000_RAD

**Login Number: 264493**
**List Number: 3**
**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**
**List Creation: 03/03/25 10:42 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: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Method: 903.0 - Radium-226 (GFPC)

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

| | | Percent Yield (Acceptance Limits) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | | | | | | |
| 500-264493-1 | 16A | 87.2 | | | | | | |
| 500-264493-2 | 16A_FD | 85.9 | | | | | | |
| 500-264493-3 | 21 | 81.7 | | | | | | |
| 500-264493-3 MS | 21 | 85.1 | | | | | | |
| 500-264493-3 MSD | 21 | 81.9 | | | | | | |
| 500-264493-4 | 02 | 88.2 | | | | | | |
| 500-264493-5 | 04 | 86.6 | | | | | | |
| 500-264493-6 | 04_FD | 88.5 | | | | | | |
| 500-264493-7 | 07R | 74.6 | | | | | | |
| 500-264493-8 | 20 | 84.8 | | | | | | |
| 500-264493-9 | 34 | 88.0 | | | | | | |
| 500-264493-10 | 36 | 81.9 | | | | | | |
| 500-264493-11 | 37 | 89.0 | | | | | | |
| 500-264493-12 | 37_FD | 89.0 | | | | | | |
| 500-264493-13 | 38 | 85.9 | | | | | | |
| 500-264493-14 | 70&D | 90.6 | | | | | | |
| 500-264493-15 | 70#S | 86.1 | | | | | | |
| 500-264493-18 | 03R | 77.7 | | | | | | |
| 500-264493-19 | 05 | 84.6 | | | | | | |
| 500-264493-20 | 08R | 84.3 | | | | | | |
| 500-264493-22 | 22 | 71.5 | | | | | | |
| 500-264493-23 | 35&D | 86.1 | | | | | | |
| 500-264493-24 | 41 | 80.2 | | | | | | |
| 500-264493-25 | 41_FD | 72.1 | | | | | | |
| 500-264493-26 | 42 | 82.0 | | | | | | |
| 500-264493-26 MS | 42 | 78.9 | | | | | | |
| 500-264493-26 MSD | 42 | 84.6 | | | | | | |
| 500-264493-27 | 43 | 78.6 | | | | | | |
| 500-264493-28 | 71&D | 68.5 | | | | | | |
| 500-264493-29 | 71#S | 76.3 | | | | | | |
| 500-264493-30 | 10R | 80.2 | | | | | | |
| 500-264493-31 | FB | 88.5 | | | | | | |
| LCS 160-705866/2-A | Lab Control Sample | 84.3 | | | | | | |
| LCS 160-706368/2-A | Lab Control Sample | 90.4 | | | | | | |
| MB 160-705866/1-A | Method Blank | 85.9 | | | | | | |
| MB 160-706368/1-A | Method Blank | 93.2 | | | | | | |

**Tracer/Carrier Legend**

Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

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

| | | Percent Yield (Acceptance Limits) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) | | | | | |
| 500-264493-1 | 16A | 87.2 | 87.1 | | | | | |
| 500-264493-2 | 16A_FD | 85.9 | 87.9 | | | | | |
| 500-264493-3 | 21 | 81.7 | 86.0 | | | | | |
| 500-264493-3 MS | 21 | 85.1 | 84.1 | | | | | |

# Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-25Q1

Job ID: 500-264493-2
SDG: VER_000_RAD

## Method: 904.0 - Radium-228 (GFPC) (Continued)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) | | | | | | | | |
| 500-264493-3 MSD | 21 | 81.9 | 80.4 | | | | | | | | |
| 500-264493-4 | 02 | 88.2 | 86.0 | | | | | | | | |
| 500-264493-5 | 04 | 86.6 | 82.6 | | | | | | | | |
| 500-264493-6 | 04_FD | 88.5 | 86.7 | | | | | | | | |
| 500-264493-7 | 07R | 74.6 | 89.7 | | | | | | | | |
| 500-264493-8 | 20 | 84.8 | 86.4 | | | | | | | | |
| 500-264493-9 | 34 | 88.0 | 90.1 | | | | | | | | |
| 500-264493-10 | 36 | 81.9 | 83.0 | | | | | | | | |
| 500-264493-11 | 37 | 89.0 | 74.8 | | | | | | | | |
| 500-264493-12 | 37_FD | 89.0 | 83.7 | | | | | | | | |
| 500-264493-13 | 38 | 85.9 | 83.7 | | | | | | | | |
| 500-264493-14 | 70&D | 90.6 | 93.5 | | | | | | | | |
| 500-264493-15 | 70#S | 86.1 | 90.5 | | | | | | | | |
| 500-264493-18 | 03R | 77.7 | 88.2 | | | | | | | | |
| 500-264493-19 | 05 | 84.6 | 86.4 | | | | | | | | |
| 500-264493-20 | 08R | 84.3 | 87.5 | | | | | | | | |
| 500-264493-22 | 22 | 71.5 | 96.8 | | | | | | | | |
| 500-264493-23 | 35&D | 86.1 | 86.4 | | | | | | | | |
| 500-264493-24 | 41 | 80.2 | 83.7 | | | | | | | | |
| 500-264493-25 | 41_FD | 72.1 | 84.5 | | | | | | | | |
| 500-264493-26 | 42 | 82.0 | 81.1 | | | | | | | | |
| 500-264493-26 MS | 42 | 78.9 | 81.1 | | | | | | | | |
| 500-264493-26 MSD | 42 | 84.6 | 89.0 | | | | | | | | |
| 500-264493-27 | 43 | 78.6 | 90.5 | | | | | | | | |
| 500-264493-28 | 71&D | 68.5 | 82.2 | | | | | | | | |
| 500-264493-29 | 71#S | 76.3 | 81.1 | | | | | | | | |
| 500-264493-30 | 10R | 80.2 | 87.1 | | | | | | | | |
| 500-264493-31 | FB | 88.5 | 86.0 | | | | | | | | |
| LCS 160-705867/2-A | Lab Control Sample | 84.3 | 81.1 | | | | | | | | |
| LCS 160-706369/2-A | Lab Control Sample | 90.4 | 83.4 | | | | | | | | |
| MB 160-705867/1-A | Method Blank | 85.9 | 88.6 | | | | | | | | |
| MB 160-706369/1-A | Method Blank | 93.2 | 84.5 | | | | | | | | |

**Tracer/Carrier Legend**

Ba = Ba Carrier
Y = Y Carrier

# Field Calibration Form
## Groundwater Quality Meter

Groundwater Quality Meter Manufacturer/Model YSI
Serial Number FAO 3312
oxidation/reduction potential, dissolved oxygen, pH, turbidity

Project: Vermillion Q1 2025

| | Date of Calibration Check | Parameter Tested | Calibration Standard Concentration | Calibration Reading | Within +/_ 10% (yes or no) | Comments If necessary, recalibrate and note results here |
|---|---|---|---|---|---|---|
| Day 1 | 2/25/25 | Spec Cond. | 7.0 | 7.64 | Y | |
| | | Diss Oxy | 0.0 | 0.19 | NA | Sodium Sulfite |
| | | pH Pre | 7.0 | 7.19 | Y | |
| | | pH Midday | ℓ | ℓ | ℓ | Not Used |
| | | pH Post | ℓ | ℓ | ℓ | Not Used |
| | | Turbidity | 0.0 | 0.30 | NA | DI Water |
| Day 2 | 2/26/25 | Spec Cond. | 7.00 | 7.53 | Y | |
| | | Diss Oxy | 0.0 | 0.14 | NA | Sodium Sulfite |
| | | pH Pre | 7.0 | 7.42 | Y | |
| | | pH Midday | 7.0 | 7.45 | Y | |
| | | pH Post | 4.00 | 4.50 | N → recalibrated to 4.0 | |
| | | Turbidity | 0.00 | 0.30 | NA | DI Water |
| Day 3 | 2/27/25 | Spec Cond. | 7.00 | 7.33 | Y | |
| | | Diss Oxy | 0.0 | 0.07 | NA | |
| | | pH Pre | 10.0 | 10.45 | Y | |
| | | pH Midday | 7.0 | 7.64 | Y | |
| | | pH Post | 4.0 | 4.32 | Y | |
| | | Turbidity | 0.0 | 0.10 | NA | |
| Day 4 | 2/28/25 | Spec Cond. | 7.0 | 7.32 | Y | |
| | | Diss Oxy | 0.0 | ~~0.20~~ 0.04 | NA | |
| | | pH Pre | 7.0 | 7.09 | Y | |
| | | pH Midday | | | | |
| | | pH Post | | | | |
| | | Turbidity | | | | |
| Day 5 | | Spec Cond. | | | | |
| | | Diss Oxy | | | | |
| | | pH Pre | | | | |
| | | pH Midday | | | | |
| | | pH Post | | | | |
| | | Turbidity | | | | |
| Day 6 | | Spec Cond. | | | | |
| | | Diss Oxy | | | | |
| | | pH Pre | | | | |
| | | pH Midday | | | | |
| | | pH Post | | | | |
| | | Turbidity | | | | |

**Specific Conductivity:** Daily Calibration Verification (Bump)
**pH:** 3 Calibration Verifications (Bump) a Day
**Dissolved Oxygen:** Should be Calibrated Daily
**Turbidity:** Calibration verification daily (Bump) used with DI Water

## Field Calibration Form
## Groundwater Quality Meter

Groundwater Quality Meter Manufacturer/Model YSI
Serial Number FA04590
oxidation/reduction potential, dissolved oxygen, pH, turbidity

Project: Vermillion Q1 2025

| | Date of Calibration Check | Parameter Tested | Calibration Standard Concentration | Calibration Reading | Within +/_ 10% (yes or no) | Comments If necessary, recalibrate and note results here |
|---|---|---|---|---|---|---|
| Day 1 | 2/25/25 | Spec Cond. | 7.0 | 8.07 | N → Recalibrated to | 7.0 |
| | | Diss Oxy | 0.0 | 0.20 | NA | |
| | | pH Pre | 4.0 | 3.80 | Y | |
| | | pH Midday | 4.0 | 3.92 | Y | |
| | | pH Post | 7.0 | 6.90 | Y | |
| | | Turbidity | 0.0 | 0.15 | NA | |
| Day 2 | 2/26/25 | Spec Cond. | 7.0 | 8.47 | N→ Recalibrated | to 7.0 |
| | | Diss Oxy | 0.0 | 0.37 | NA | |
| | | pH Pre | 7.0 | 7.25 | Y | |
| | | pH Midday | 10.0 | 10.07 | Y | |
| | | pH Post | 4.0 | 4.04 | Y | |
| | | Turbidity | 0.0 | 0.65 | NA | |
| Day 3 | 2/27/25 | Spec Cond. | 7.0 | 32.8 | N→ Recalibrated to | 7.0 |
| | | Diss Oxy | 0.0 | 0.05 | NA | |
| | | pH Pre | 7.0 | 6.70 | Y | |
| | | pH Midday | 4.0 | 3.90 | Y | |
| | | pH Post | 7.0 | 6.85 | Y | |
| | | Turbidity | 0.0 | 0.70 | NA | |
| Day 4 | | Spec Cond. | | | | |
| | | Diss Oxy | | | | |
| | | pH Pre | | | | |
| | | pH Midday | | | | |
| | | pH Post | | | | |
| | | Turbidity | | | | |
| Day 5 | | Spec Cond. | | | | |
| | | Diss Oxy | | | | |
| | | pH Pre | | | | |
| | | pH Midday | | | | |
| | | pH Post | | | | |
| | | Turbidity | | | | |
| Day 6 | | Spec Cond. | | | | |
| | | Diss Oxy | | | | |
| | | pH Pre | | | | |
| | | pH Midday | | | | |
| | | pH Post | | | | |
| | | Turbidity | | | | |

Specific Conductivity: Daily Calibration Verification (Bump)
pH: 3 Calibration Verifications (Bump) a Day
Dissolved Oxygen: Should be Calibrated Daily
Turbidity: Calibration verification daily (Bump) used with DI Water

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 02

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | X | | | |
| Not corroded | | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | X | | | |
| Not corroded | | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | X | | |
| 12. Water level measuring point clearly marked? | | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 19.37 Dedicated Tubing: Y N (Circle)
DTB: 32.44

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 03R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | ↓ | | |
| 15. No sediment in bottom of well? | ↓ | | |
| If present, how much sediment? | ↓ | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |
| | ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 8.21
DTB: 29.58

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 04 2/25/25
**Well Number:**

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

**Stick-up Monitoring Wells**

| | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

**Flushmount Monitoring Wells**

| | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

**All Monitoring Wells**

| | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | | | | |
| 16. Installed as total depth. | | | | |
| 17. Measured total depth of well. | | | | |
| | ft | | | |
| | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

Comments:

DTW: 7.35
DTB: 11.10

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 05

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 7.19
DTB: 14.38

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 06R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | X | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 5.14 Dedicated Tubing: Y N (Circle)

DTB: 13.42

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q 1
**Inspection Date:** 2/24/25
**Well Number:** 07R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | ↓ | | | |
| 15. No sediment in bottom of well? | ↓ | | | |
| If present, how much sediment? | ↓ | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 19.19 Dedicated Tubing: Y (N) (Circle)

DTB: 23.41

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 8R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | ↓ | | | |
| 15. No sediment in bottom of well? | ↓ | | | |
| If present, how much sediment? | ↓ | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 13.99
DTB: 14.64

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 10R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| ★ 6. Is there a lock present? | | X | | No locks |
| 7. Bumper posts in good condition? | X | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | | | | |
| 19 . Concrete pad | X | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| ☆ 21. Well clearly visible and labeled? | | X | | No label |

Comments:

DTW: 51.61 Dedicated Tubing: Y (N) (Circle)
DTB: 62.18

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 16A

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | | X | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | X | | |

Comments:

DTW: 13.004
DTB: 41.11

Dedicated Tubing: Y (N) (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 16B

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | | X | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | X | | |

Comments:

DTW: Dry
DTB: 7.33

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 17

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |

| | Yes | No | NA |
|---|---|---|---|
| 2. Inner casing | | | |
| Not corroded | X | | |
| Not dented | ↓ | | |
| Not cracked | ↓ | | |
| Not loose | ↓ | | |

| | Yes | No | NA |
|---|---|---|---|
| 3. Are there weep holes in outer casing? | X | | |
| 4. Weep holes able to drain? | ↓ | | |
| 5. Is there a lockable cap present? | ↓ | | |
| 6. Is there a lock present? | ↓ | | |
| 7. Bumper posts in good condition? | ↓ | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | X | | |
| 14. No plant roots or vegetation in well? | X | | |
| 15. No sediment in bottom of well? | X | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 38.78 Dedicated Tubing: (Y) N (Circle)

DTB: 57.74

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 18

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 26.11 Dedicated Tubing: (Y) N (Circle)

DTB: 40.72

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

| | | | |
|---|---|---|---|
| **Site:** Vermillion Q1 | Major wells repairs* required to maintain well integrity? | Yes | No | NA |
| **Inspection Date:** 2/25/25 | | | X | |
| **Well Number:** 20 | | | | |

| **Stick-up Monitoring Wells** | Yes | No | NA | **Comments** |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| **Flushmount Monitoring Wells** | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| **All Monitoring Wells** | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | ✓ | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | | | | |
| 16. Installed as total depth. | | | | |
| 17. Measured total depth of well. | | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

| | | |
|---|---|---|
| Comments: | | |
| DTW: 14.77 | Dedicated Tubing: (Y) N (Circle) | |
| DTB: 16.29 | | |

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 21

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 91.54
DTB: 106.82

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 22

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | ↓ | | | |
| 15. No sediment in bottom of well? | ↓ | | | |
| If present, how much sediment? | ↓ | | | |
| 16. Installed as total depth. | 0 ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 56.15
DTB: 88.55

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 23 2/24/25
**Well Number:**

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

## Stick-up Monitoring Wells

| | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | X | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

## Flushmount Monitoring Wells

| | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

## All Monitoring Wells

| | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | X | | |
| 14. No plant roots or vegetation in well? | X | | |
| 15. No sediment in bottom of well? | X | | |
| If present, how much sediment? | 0 ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| **General Condition** | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 24.21
DTB: 25.23

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 24

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | X | | |
| 14. No plant roots or vegetation in well? | X | | |
| 15. No sediment in bottom of well? | X | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 24.13
DTB: 58.03

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 25

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| 6. Is there a lock present? | X | | | |
| 7. Bumper posts in good condition? | X | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | X | | |
| 14. No plant roots or vegetation in well? | X | | |
| 15. No sediment in bottom of well? | X | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | X | | |

Comments:

DTW: 17.88
DTB: 42.54

Dedicated Tubing: Y (N) (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/25/25
**Well Number:** 34

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |

| | Yes | No | NA |
|---|---|---|---|
| 2. Inner casing | | | |
| Not corroded | X | | |
| Not dented | ↓ | | |
| Not cracked | ↓ | | |
| Not loose | ↓ | | |

| | Yes | No | NA |
|---|---|---|---|
| 3. Are there weep holes in outer casing? | X | | |
| 4. Weep holes able to drain? | ↓ | | |
| 5. Is there a lockable cap present? | ↓ | | |
| 6. Is there a lock present? | ↓ | | |
| 7. Bumper posts in good condition? | ↓ | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | ↓ | | |
| 15. No sediment in bottom of well? | ↓ | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 14.61 Dedicated Tubing: (Y) N (Circle)

DTB: ~~[illegible]~~ 50.77

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/25/25
**Well Number:** ~~38~~ 35D

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | X | | | |
| Not corroded | ↓ | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | X | | | |
| Not corroded | ↓ | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | X | | |
| 12. Water level measuring point clearly marked? | ↓ | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | ↓ | | |
| 15. No sediment in bottom of well? | ↓ | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 10.60
DTB: 49.12

Dedicated Tubing: Y (N) (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/25/25
**Well Number:** 35S

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | ↓ | | |
| 15. No sediment in bottom of well? | ↓ | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 12.00 Dedicated Tubing: Y N (Circle)
DTB: 12.51

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 36

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 14.90
DTB: 20.00

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion (Q1)
**Inspection Date:** 2/24/25
**Well Number:** 37

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | | | |
| 16. Installed as total depth. | | | |
| 17. Measured total depth of well. | | | |
| **General Condition** | | | |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

| | ft |
|---|---|
| | ft |
| | ft |

Comments:

DTW: 8.31
DTB: 49.10

Dedicated Tubing (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/25/25
**Well Number:** 38

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | | | |
| 16. Installed as total depth. | | | |
| 17. Measured total depth of well. | | | |

| | | |
|---|---|---|
| | ft | |
| | ft | |
| | ft | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | | | |
| 21. Well clearly visible and labeled? | | | |

Comments:

DTW: 4.40 Dedicated Tubing: (Y) N (Circle)

DTB: 27.96

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 41

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | X | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | ↓ | | |
| 14. No plant roots or vegetation in well? | ↓ | | |
| 15. No sediment in bottom of well? | ↓ | | |
| If present, how much sediment? | ↓ | | |
| 16. Installed as total depth. | 0 ft | | |
| 17. Measured total depth of well. | 0 ft | | |
| | 0 ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 6.19
DTB: 26.85

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/25/25
**Well Number:** 42

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | ↓ | | | |
| If present, how much sediment? | | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

| | | |
|---|---|---|
| DTW: 26.17 | Dedicated Tubing: Y (circled) N | (Circle) |
| DTB: 54.29 | | |

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/25/25
**Well Number:** 43

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

Comments:

DTW: 160.11
DTB: 53.39

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 4R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | | | | |
| 16. Installed as total depth. | | | | |
| 17. Measured total depth of well. | | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

| | ft |
|---|---|
| | ft |
| | ft |

Comments:

DTW: 14.64
DTB: 43.74

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 700

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | | ft | | |
| 16. Installed as total depth. | | ft | | |
| 17. Measured total depth of well. | | ft | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

Comments:

DTW: 17.10 Dedicated Tubing: Y N (Circle)

DTB: 48.61

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 708

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | | | | |
| 16. Installed as total depth. | 0 ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

Comments:

DTW: 13.35
DTB: 19.74

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 710

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | X | | | |
| Not corroded | ↓ | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | X | | | |
| Not corroded | ↓ | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | X | | |
| 14. No plant roots or vegetation in well? | X | | |
| 15. No sediment in bottom of well? | X | | |
| If present, how much sediment? | 0 ft | | |
| 16. Installed as total depth. | 0 ft | | |
| 17. Measured total depth of well. | 0 ft | | |

| General Condition | Yes | No | NA |
|---|---|---|---|
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | ↓ | | |
| Slope away form casing? | ↓ | | |
| Not deteriorated? | ↓ | | |
| Not heaved or below surrounding grade? | ↓ | | |
| 20. No surface seal settling? | ↓ | | |
| 21. Well clearly visible and labeled? | ↓ | | |

Comments:

DTW: 28.90
DTB: 38.69

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 715

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | ↓ | | | |
| 15. No sediment in bottom of well? | ↓ | | | |
| If present, how much sediment? | ↓ | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | ✓ | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 11.43
DTB: 12.47

Dedicated Tubing: Y (N) (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 73

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

## Stick-up Monitoring Wells

| | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

## Flushmount Monitoring Wells

| | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

## All Monitoring Wells

| | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | ↓ | | | |
| 14. No plant roots or vegetation in well? | ↓ | | | |
| 15. No sediment in bottom of well? | ↓ | | | |
| If present, how much sediment? | ↓ | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 13.68
DTB: 20.49

Dedicated Tubing: Y (N) (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion QA
**Inspection Date:** 2/24/25
**Well Number:** 101

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| 6. Is there a lock present? | X | | | |
| 7. Bumper posts in good condition? | X | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | 0 ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | X | | | |
| Slope away form casing? | X | | | |
| Not deteriorated? | X | | | |
| Not heaved or below surrounding grade? | X | | | |
| 20. No surface seal settling? | X | | | |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 107.66
DTB: 156.55

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 101S

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | | X | | |
| Not dented | | X | | |
| Not cracked | | X | | |
| Not loose | | X | | |
| 2. Inner casing | | | | |
| Not corroded | | X | | |
| Not dented | | X | | |
| Not cracked | | X | | |
| Not loose | | X | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| 6. Is there a lock present? | X | | | |
| 7. Bumper posts in good condition? | X | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | 0 ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | X | | | |
| Not deteriorated? | X | | | |
| Not heaved or below surrounding grade? | X | | | |
| 20. No surface seal settling? | X | | | |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 59.90
DTB: 64.85

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 1025

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| 6. Is there a lock present? | X | | | |
| 7. Bumper posts in good condition? | X | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | X | | | |
| Not deteriorated? | X | | | |
| Not heaved or below surrounding grade? | X | | | |
| 20. No surface seal settling? | X | | | |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 72.01
DTB: 78.08

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 107.8

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| 6. Is there a lock present? | X | | | |
| 7. Bumper posts in good condition? | X | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | | | | |
| 13. No obstructions in well? | | | | |
| 14. No plant roots or vegetation in well? | | | | |
| 15. No sediment in bottom of well? | | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | X | | | |
| 20. No surface seal settling? | X | | | |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 125.24 Dedicated Tubing: (Y) N (Circle)

DTB: 155.02

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 103R

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | X | | | |
| Slope away form casing? | X | | | |
| Not deteriorated? | X | | | |
| Not heaved or below surrounding grade? | X | | | |
| 20. No surface seal settling? | X | | | New lonuch |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 137.32 Dedicated Tubing: (Y) N (Circle)

DTB: 166.21

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 1035

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | ✓ | |

## Stick-up Monitoring Wells

| | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | ✓ | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | ✓ | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | ✓ | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

## Flushmount Monitoring Wells

| | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

## All Monitoring Wells

| | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | ✓ | | | |
| 13. No obstructions in well? | ✓ | | | |
| 14. No plant roots or vegetation in well? | ✓ | | | |
| 15. No sediment in bottom of well? | ✓ | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| | Yes | No | NA | |
|---|---|---|---|---|
| **General Condition** | | | | |
| 18. Concrete pad installed? | ✓ | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 58.09 Dedicated Tubing: Y (N) (Circle)

DTB: 76.38

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 104

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | X | | | |
| 5. Is there a lockable cap present? | X | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | X | | |
| 14. No plant roots or vegetation in well? | X | | |
| 15. No sediment in bottom of well? | X | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | X | | |
| 19 . Concrete pad | | | |
| Slope away form casing? | X | | |
| Not deteriorated? | X | | |
| Not heaved or below surrounding grade? | X | | |
| 20. No surface seal settling? | X | | |
| 21. Well clearly visible and labeled? | X | | |

Comments:

DTW: 126.70
DTB: 163.50

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 10MS

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | ↓ | | | |
| Slope away form casing? | X | | | |
| Not deteriorated? | | X | | Slight |
| Not heaved or below surrounding grade? | X | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 72.92
DTB: 84.70

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 105

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | X | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |
| | ft | | | |
| **General Condition** | Yes | No | NA | |
| 18. Concrete pad installed? | | X | | No cowish |
| 19 . Concrete pad | | | | |
| Slope away form casing? | | | | |
| Not deteriorated? | | | | |
| Not heaved or below surrounding grade? | | | | |
| 20. No surface seal settling? | | | | |
| 21. Well clearly visible and labeled? | | | | |

Comments:

DTW: 119.80 Dedicated Tubing: (Y) N (Circle)

DTB: 141.04

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** 105S

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| 2. Inner casing | | | | |
| Not corroded | X | | | |
| Not dented | ↓ | | | |
| Not cracked | ↓ | | | |
| Not loose | ↓ | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | X | | | |
| 4. Weep holes able to drain? | ↓ | | | |
| 5. Is there a lockable cap present? | ↓ | | | |
| 6. Is there a lock present? | ↓ | | | |
| 7. Bumper posts in good condition? | ↓ | | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | X | | | |
| 19 . Concrete pad | | | | |
| Slope away form casing? | ↓ | | | |
| Not deteriorated? | ↓ | | | |
| Not heaved or below surrounding grade? | ↓ | | | |
| 20. No surface seal settling? | ↓ | | | |
| 21. Well clearly visible and labeled? | ↓ | | | |

Comments:

DTW: 66.82
DTB: 77.06

Dedicated Tubing: (Y) N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** ND3

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | X | | | No casing |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | | | | |
| Not cracked | | | | |
| Not loose | | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | | X | | |
| 4. Weep holes able to drain? | | | | |
| 5. Is there a lockable cap present? | | | | |
| 6. Is there a lock present? | | | | |
| 7. Bumper posts in good condition? | | | | |

| Flushmount Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| 8. Can the lid be secured tightly? | | | |
| 9. Does the lid have a gasket that seals? | | | |
| 10. No water in the flushmount? | | | |
| 11. Is the well cap lockable? | | | |
| 12. Is there a lock present? | | | |

| All Monitoring Wells | Yes | No | NA |
|---|---|---|---|
| **Downhole Condition** | | | |
| 12. Water level measuring point clearly marked? | X | | |
| 13. No obstructions in well? | | | |
| 14. No plant roots or vegetation in well? | | | |
| 15. No sediment in bottom of well? | | | |
| If present, how much sediment? | ft | | |
| 16. Installed as total depth. | ft | | |
| 17. Measured total depth of well. | ft | | |
| **General Condition** | Yes | No | NA |
| 18. Concrete pad installed? | | X | |
| 19 . Concrete pad | | | |
| Slope away form casing? | | | |
| Not deteriorated? | | | |
| Not heaved or below surrounding grade? | | | |
| 20. No surface seal settling? | X | | |
| 21. Well clearly visible and labeled? | X | | |

Comments:

DTW: 18.20
DTB: 23.45

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion Q1
**Inspection Date:** 2/24/25
**Well Number:** NED-1

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | | | X | |
| Not dented | | | X | |
| Not cracked | | | X | |
| Not loose | | | X | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | X | | | |
| Not cracked | X | | | |
| Not loose | X | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | | X | | |
| 4. Weep holes able to drain? | | X | | |
| 5. Is there a lockable cap present? | | X | | |
| 6. Is there a lock present? | | X | | |
| 7. Bumper posts in good condition? | | | X | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | X | |
| 9. Does the lid have a gasket that seals? | | | X | |
| 10. No water in the flushmount? | | | X | |
| 11. Is the well cap lockable? | | | X | |
| 12. Is there a lock present? | | | X | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| If present, how much sediment? | ft | | | |
| 16. Installed as total depth. | ft | | | |
| 17. Measured total depth of well. | ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | | X | | |
| 19 . Concrete pad | | | X | |
| Slope away form casing? | | | X | |
| Not deteriorated? | | | X | |
| Not heaved or below surrounding grade? | | | X | |
| 20. No surface seal settling? | | X | | |
| 21. Well clearly visible and labeled? | | X | | No label |

Comments:

DTW: 4.31
DTB: 16.94

Dedicated Tubing: Y (N) (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

# Monitoring Well Evaluation Checklist

**Site:** Vermillion (2)
**Inspection Date:** 2/25/25
**Well Number:** OED-1

| Major wells repairs* required to maintain well integrity? | Yes | No | NA |
|---|---|---|---|
| | | X | |

| Stick-up Monitoring Wells | Yes | No | NA | Comments |
|---|---|---|---|---|
| 1. Outer protective Casing | | | | |
| Not corroded | | | X | No casing |
| Not dented | | | X | |
| Not cracked | | | X | |
| Not loose | | | X | |
| 2. Inner casing | Yes | No | NA | |
| Not corroded | X | | | |
| Not dented | X | | | |
| Not cracked | X | | | |
| Not loose | X | | | |
| | Yes | No | NA | |
| 3. Are there weep holes in outer casing? | | X | | |
| 4. Weep holes able to drain? | | X | | |
| 5. Is there a lockable cap present? | | X | | |
| 6. Is there a lock present? | | X | | |
| 7. Bumper posts in good condition? | | X | | |

| Flushmount Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| 8. Can the lid be secured tightly? | | | | |
| 9. Does the lid have a gasket that seals? | | | | |
| 10. No water in the flushmount? | | | | |
| 11. Is the well cap lockable? | | | | |
| 12. Is there a lock present? | | | | |

| All Monitoring Wells | Yes | No | NA | |
|---|---|---|---|---|
| **Downhole Condition** | | | | |
| 12. Water level measuring point clearly marked? | X | | | |
| 13. No obstructions in well? | X | | | |
| 14. No plant roots or vegetation in well? | X | | | |
| 15. No sediment in bottom of well? | X | | | |
| 16. Installed as total depth. | X | | | |
| 17. Measured total depth of well. | X | | | |
| If present, how much sediment? | 0 ft | | | |
| | 0 ft | | | |
| | 0 ft | | | |

| General Condition | Yes | No | NA | |
|---|---|---|---|---|
| 18. Concrete pad installed? | | X | | |
| 19 . Concrete pad | | X | | |
| Slope away form casing? | | X | | |
| Not deteriorated? | | X | | |
| Not heaved or below surrounding grade? | | X | | |
| 20. No surface seal settling? | X | | | |
| 21. Well clearly visible and labeled? | X | | | |

Comments:

DTW: 43.76
DTB: 47.63

Dedicated Tubing: Y N (Circle)

* Major well repair are those that require a subcontractor or separate mobilization to complete

SAR-4: Plant Sampling and Analysis Request
Event: VER-25Q1
Date Generated: 12/30/2024
**All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.**

| Well | Unique ID | Date | Time | Measured Depth to Water (ft bmp) | Serial Number | Does Data Logger Serial No Match? | WL Reading on Transducer (ft) | Data downloaded? | Batt (H/M/L/R) | Comments | Initials |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | VER_002 | 2/24/25 | 1637 | 19.32 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 03R | VER_003R | 2/24/25 | 1700 | 8.21 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 04 | VER_004 | 2/25/25 | 0858 | 7.35 | 21615494 | Y | 583.3827 | Y | H | 11.16 | |
| 05 | VER_005 | 2/24/25 | 1720 | 7.19 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 07R | VER_007R | 2/24/25 | 1635 | 19.19 | 21863672 | Y | 576.1363 | Y | H | | |
| 08R | VER_008R | 2/24/25 | 1701 | 13.99 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 10R | VER_010R | 2/24/25 | 1145 | 51.61 | 21921674 | NA | NA | NA | NA | Not present | |
| 101 | VER_101& | 2/24/25 | 0945 | 107.66 | 21739729 | Y | 598.0241 | Y | H | | |
| 103R | VER_103R | 2/24/25 | 1107 | 137.32 | 21615619 | Y | 136.4625 | Y | M | | |
| 16A | VER_016A | 2/24/25 | 1219 | 13.09 | 22027599 | NA | N/A | Y | ? | Diver transducer | |
| 17 | VER_17 | 2/24/25 | 1609 | 38.78 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 20 | VER_020 | 2/25/25 | 0875 | 14.77 | 21863671 | Y | 577.6[illegible] | Y | H | 16.[illegible] | |
| 21 | VER_021 | 2/24/25 | 1130 | 91.54 | 21615622 | Y | 581.2048 | Y | H | | |
| 22 | VER_022 | 2/24/25 | 1139 | 56.45 | 21739726 | Y | 602.4261 | Y | H | | |
| 34 | VER_034 | 2/25/25 | 0823 | 14.61 | 21615519 | Y | 577.9411 | Y | H | | |
| 35D | VER_035&D | 2/25/25 | 0900 | 10.60 | 22027600 | Y | N/A | Y | P | Diver transducer | |
| 36 | VER_036 | 2/24/25 | 1620 | 14.93 | 21863670 | Y | 575.5949 | Y | H | | |
| 37 | VER_037 | 2/24/25 | 1621 | 8.31 | 21863668 | Y 28 | | Y | Replaced | No detection on hobo ware, Batteries replaced | |
| 38 | VER_038 | 2/25/25 | 0812 | 4.40 | 21863674 | Y | 582.2148 | Y | H | | |
| 41 | VER_041 | 2/24/25 | 1709 | 6.19 | 21615517 | Y | 581.1957 | Y | H | | |
| 42 | VER_042 | 2/25/25 | 0736 | 26.17 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 43 | VER_043 | 2/25/25 | 0743 | 16.11 | 21615627 | Y | 592.0381 | Y | H | | |
| 70D | VER_070&D | 2/24/25 | 1150 | 17.19 | 21615620 | Y | 577.5293 | Y | H | | |
| 70S | VER_070#S | 2/24/25 | 1152 | 13.35 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |
| 71D | VER_071&D | 2/24/25 | 1157 | 28.96 | 21863675 | Y | 550.4979 | Y | M | | |
| 71S | VER_071#S | 2/24/25 | 1200 | 11.43 | 21615599 | Y | 576.7370 | Y | H | | |
| 72 | VER_072 | 2/24/25 | 1652 | 13.68 | – | NA | NA | NA | NA | | |
| ND3 | VER_ND3 | 2/25/25 | 0754 | 18.26 | 22027602 | NA | N/A | Y | NA | Diver transducer | |
| NED1 | VER_NED1 | 2/24/25 | 1536 | 4.31 | 22027601 | NA | N/A | Y | NA | Diver transducer | |
| OED1 | VER_OED1 | 2/25/25 | 08:35 | 43.76 | 22027603 | NA | N/A | Y | NA | Diver transducer | |
| RG01 | VER_RG01 | 2/24/25 | 0955 | — | 21628686 | NA | NA | Y | NA | Rain Gauge | |
| SG01 | VER_YSG01 | 2/24/25 | 1051 | 18.33 | (removed) | N/A | N/A | N/A | N/A | Removed, to be reinstalled Q2 | |

SAR-3: Plant Sampling and Analysis Request
Event: VER-25Q1
Date Generated: 12/30/2024
**All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.**

| Well | Unique ID | Date | Time | Measured Depth to Water (ft bmp) | Comments | Initials |
|---|---|---|---|---|---|---|
| 101S | VER_101#S | 2/24/25 | 0938 | 59.90 | | |
| 102 | VER_102& | ↓ | 1005 | 123.24 | | |
| 102S | VER_102#S | ↓ | 1010 | 72.01 | | |
| 103S | VER_103#S | ↓ | 1105 | 58.09 | | |
| 104 | VER_104& | ↓ | 1026 | 126.70 | | |
| 104S | VER_104#S | ↓ | 1025 | 72.92 | | |
| 105 | VER_105& | ↓ | 1117 | 119.80 | | |
| 105S | VER_105#S | ↓ | 1120 | 66.82 | | |
| 16B | VER_016!B | ↓ | 1220 | DRY | | |
| 23 | VER_023 | ↓ | 1550 | 24.21 | | |
| 24 | VER_024 | ↓ | 1551 | 24.13 | | |
| 25 | VER_025 | ↓ | 1038 | 17.88 | | |
| 35S | VER_035#S | 2/25/25 | 0858 | 12.00 | | |
| XSG01 | VER_XSG01 | NA | NA | NA | | |
| 44 | Ver-44 | 2/25/25 | 0745 | 14.64 | | |

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2. /26/2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

### WELL INFORMATION

Well ID: 02
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA024489

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1130 | — | 19.29 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1135 | 0.5 | 21.94 | | 13.1 | 7.77 | 1044 | 0.17 | 10.24 | -151.7 | Clear |
| | 10 | 1140 | 1 | 21.73 | | 12.7 | 7.79 | 1049 | 0.08 | 5.09 | -183.5 | " " |
| | 15 | 1145 | 1.5 | 21.55 | | 12.6 | 7.80 | 1044 | 0.10 | 5.82 | -185.3 | " " |
| ******** | 20 | 1150 | 2 | 21.46 | | 12.6 | 7.80 | 1048 | 0.05 | 5.26 | -191.7 | " " |
| Sample | 25 | 1155 | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @ 1155 on 2 /26 / 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

02 sampled @ 1155 on 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/27/2025
Field Personnel: G. Assalling
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 03R
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA03312
Heron Serial NO: FA04489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1335 | — | 8.63 | | — | — | — | — | — | — | — |
| Purge | 5 | 1340 | 0.5> | 8.60 | | 9.9 | 7.62 | 1722 | 1.43 | 27.36 | -26.4 | Clear |
| | 10 | 1345 | 1 | 8.57 | | 9.9 | 7.65 | 1710 | 0.42 | 26.21 | -136.4 | |
| | 15 | 1350 | 2 | 8.51 | | 10.0 | 7.64 | 1711 | 0.48 | 25.32 | -134.6 | |
| ******* | 20 | 1355 | 3 | 8.59 | | 9.8 | 7.64 | 1708 | 0.45 | 25.72 | -140.7 | |
| | 25 | 1400 | 4 | 8.53 | | 9.8 | 7.64 | 1709 | 0.39 | 24.39 | -139.4 | |
| | 30 | 1405 | 4.5 | 8.50 | | 9.8 | 7.64 | 1710 | 0.42 | 24.99 | -139.3 | |
| Sample | 35 | 1410 | | — | — | — | — | — | — | — | — | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

03R
Sampled @1410 on 2/27/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

03R sampled @ 1410 on 2/27/25

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/26/2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: G. Assalley

### WELL INFORMATION

Well ID: 04
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA03312
Heron Serial NO: FA01456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1140 | — | 7.31 | | — | — | — | — | — | — | — |
| Purge | 5 | 1145 | | 7.39 | | 6.2 | 8.14 | 615 | 0.68 | 401.37 | -162.74 | Cloudy |
| | 10 | 1150 | | 7.43 | | 6.5 | 8.03 | 623 | 0.15 | 16.77 | -155.32 | Cloudy |
| | 15 | 1155 | | 7.48 | | 6.5 | 7.91 | 681 | 0.05 | 8.47 | -159.72 | Clear |
| ******* | 20 | 1200 | | 7.52 | | 6.4 | 7.85 | 711 | 0.02 | 5.48 | -154.32 | |
| | 25 | 1205 | | 7.56 | | 6.3 | 7.82 | 733 | 0.61 | 3.68 | -159.32 | |
| | 30 | 1210 | | 7.64 | | 6.3 | 7.82 | 746 | 0.08 | 3.30 | -160.37 | |
| | 35 | 1215 | | 7.69 | | 6.2 | 7.81 | 756 | 0.01 | 2.05 | -164.72 | |
| | 40 | 1220 | | 7.71 | | 6.2 | 7.83 | 769 | 0.02 | 2.13 | -167.81 | |
| | 45 | 1225 | | 7.75 | | 6.2 | 7.82 | 772 | 0.02 | 1.75 | -167.83 | |
| Sample | 50 | 1230 | | — | | — | — | — | — | — | — | — |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @1230 on 2/26/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard
FT BTOC - Feet Below Top of Casing na -

04 sampled 12:30 2/26/25

04_FD sampled 12:30 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 27/2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 5
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA03312
Heron Serial NO: FA04489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1220 | — | 7.64 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1225 | 0.5> | 7.68 | | 8.4 | 7.76 | 956 | 0.60 | 18.94 | 42.2 | Clear |
| ↓ | 10 | 1230 | 1 | 7.79 | | 8.4 | 7.70 | 959 | 0.15 | 7.34 | 6.0 | ↓ |
| | 15 | 1235 | 1.5 | 8.69 | | 8.3 | 7.65 | 963 | 0.02 | 5.54 | 10.7 | |
| ******* | 20 | 1240 | 1.5 | 8.76 | | 8.4 | 7.64 | 962 | 0.04 | 9.93 | 8.4 | |
| Sample | 25 | 1245 | — | — | — | — | — | — | — | — | | — |
| | 30 | | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

5
Sampled @ 1245 on 2/27/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

Ver_5 sampled @ 1245 on 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/26/2025
Field Personnel: G. Assalling
Sampling Equipment Used (Circle): Dedicated Bladder ~~Peristaltic Pump~~ Portable Bladder Bailer

## WELL INFORMATION

Well ID: 07R
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA04439

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1005 | — | 20.69 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1010 | <0.5 | 20.89 | | 11.3 | 6.82 | 3157 | 1.72 | 865.24 | -0.6 | Red, Cloudy |
| | 10 | 1015 | 0.5 | 21.09 | | 11.7 | 6.85 | 3149 | 1.40 | 743.75 | 9.6 | " " |
| | 15 | 1020 | 0.5 | 21.10 | | 11.3 | 6.86 | 3149 | 1.39 | 363.75 | 11.5 | " " |
| ******** | 20 | 1025 | 0.5 | 21.11 | | 11.3 | ~~6.88~~ 6.90 | 3120 | 3.62 | 352.42 | 28.0 | Clear |
| | 25 | 1030 | 1 | 21.10 | | 11.3 | 6.90 | 3143 | 3.59 | 323.72 | 37.4 | " " |
| | 30 | 1035 | 1 | 21.12 | | 11.3 | 6.93 | 3154 | 3.52 | 344.32 | 34.7 | Cloudy |
| Sample | 35 | 1040 | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

07R
Sampled @ 1040 on 2/26/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC -
Specific Electrical Conductance SU - Standard

07R sampled @ 1040 on 2/26/25

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/27/2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

### WELL INFORMATION

Well ID: 08R
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA03312
Heron Serial NO: FA04489

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1420 | 0 | 13.98 | | — | — | — | — | — | — | — |
| Purge | 5 | 1425 | 0.5> | 14.24 | | 8.4 | 7.79 | 1678 | 0.23 | 40.23 | -35.7 | Clear |
| | 10 | 1430 | 1 | 14.21 | | 8.4 | 8.11 | 1669 | 0.89 | 26.77 | -40.2 | |
| | 15 | 1435 | 1.5 | 14.21 | | 8.5 | 8.15 | 1669 | 1.07 | 6.45 | -44.7 | |
| ******* | 20 | 1440 | 2 | 14.21 | | 8.5 | 8.20 | 1667 | 1.12 | 7.42 | -45.6 | |
| | 25 | 1445 | 2.5 | 14.22 | | 8.6 | 8.20 | 1668 | 1.10 | 5.33 | -46.7 | |
| Sample | 30 | 1450 | | | | — | — | — | — | — | — | — |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @ 1450 on 2/27/2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing
ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard
na -

08R sampled @ 1450 on 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Project Number: 2025.0021 Task #:
Client: Vistra
Start Date: 2/28/2025
Field Personnel: G. Assaling / Angelina R.
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
* Geosub Pump

## WELL INFORMATION

Well ID: 10R
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA03312
Heron Serial NO: FA04489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0920 | — | 52.46 | — | — | — | — | — | — | — | — |
| Purge | ~~5~~ 5 | 0925 | 3 | 52.71 | | 13.4 | 6.94 | 1116 | 0.06 | 570.4 | 90.2 | Brown |
| | ~~10~~ 8 | 0928 | 5 | 52.23 | | 13.6 | 7.08 | 1077 | 0.08 | 1284.3 | -45.3 | " " |
| | ~~15~~ 11 | 0931 | 6 | 52.32 | | 13.6 | 7.10 | 1071 | 0.03 | 519.75 | -94.3 | " " |
| ******* | ~~20~~ 14 | 0934 | 7 | 52.44 | | 13.6 | 7.11 | 1066 | 0.02 | 495.32 | -100.2 | " " |
| | ~~25~~ 17 | 0937 | 8 | 52.47 | | 13.7 | 7.11 | 1065 | 0.02 | 268.72 | -115.2 | " " |
| | ~~30~~ 20 | 0940 | 8.5 | 52.52 | | 13.6 | 7.11 | 1060 | 0.01 | 248.46 | -120.4 | " " |
| | ~~35~~ 23 | 0943 | 9 | 52.63 | | 13.7 | 7.11 | 1057 | 0.07 | 252.72 | -120.7 | " " |
| Sample | ~~40~~ | 0945 | | 52.91 | | | | | | | | |
| | ~~45~~ | | | | | | | | | | | |
| | ~~50~~ | | | | | | | | | | | |
| | ~~55~~ | | | | | | | | | | | |
| | ~~60~~ | | | | | | | | | | | |

## NOTES (continued)

10R
Sampled @0945 on 2/28/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

10R sampled @ 0945 on 2/28/25
* 3 min. intervals due to Geosub pump flow rate (fixed)

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

**PROJECT INFORMATION**

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/25/2025
Sampling Equipent Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer
Field Personnel: Angelita Ramos

**WELL INFORMATION**

Well ID: 16A
Casing ID: 2" Inches

**EVENT TYPE**

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA01456

**WATER QUALITY INDICATOR PARAMETERS (continued)**

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1150 | 0 | 13.09 | — | — | — | — | — | — | — | — |
| Purge | 5 | 12:05 | <0.5 | ~~15.21~~ | | 12°C | 7.35 | 1258 | 0.36 | 22.66 | 65.1 | Clear |
| | 10 | 12:10 | 0.5 | 15.24 | | 11.9 | 7.46 | 1228 | 0.11 | 18.43 | 37.5 | Clear |
| | 15 | 12:15 | 1 | 16.1 | | 11.8 | 7.46 | 1227 | 0.46 | 15.04 | 4.5 | Clear |
| ******* | 20 | 12:20 | 1 | 17.34 | | 11.8 | 7.48 | 1224 | 0.29 | 17.49 | -63.9 | Clear |
| | 25 | 12:25 | 1.5 | 18.2 | | 11.8 | 7.49 | 1223 | 0.22 | 14.89 | -83.5 | Clear |
| | 30 | 12:30 | 2 | 18.72 | | 11.8 | 7.50 | 1212 | 0.18 | 12.49 | -99.9 | Clear |
| | 35 | 12:35 | 2 | 19.43 | | 11.9 | 7.50 | 1208 | 0.16 | 12.46 | -107.7 | Clear |
| | 40 | 12:40 | 2.5 | 20.3 | | 11.9 | 7.51 | 1206 | 0.12 | 12.37 | -114.6 | Clear |
| | 45 | 12:45 | 3 | 20.9 | | 12.0 | 7.52 | 1198 | 0.11 | 12.31 | -110.8 | Clear |
| Sample | 50 | 12:50 | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

**NOTES (continued)**

Sampled @ 12:50 on 2/25/2025

**ABBREVIATIONS**

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

16A Duplicate Sampled @ 12:55 2/25/25

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/25/2025
Field Personnel: Angelica Ramos

Sampling Equipent Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer

### WELL INFORMATION

Well ID: 108
Casing ID: Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO: FA04510
Heron Serial NO: FA0K456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | — | — | — | — | — | — | — | — | — | — | — |
| Purge | 5 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 15 | | | | | | | | | | | |
| ******* | 20 | | | | | | | | | | | |
| | 25 | | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @ 1145 on 2/25/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC -
Specific Electrical Conductance SU - Standard

Dry @ 11:45 am
No sample; Dry

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /27/2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: Angelica Ramos

### WELL INFORMATION

Well ID: 17
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA01456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 8:35 | 0 | 38.57 | | ~~11.5~~ | ~~6.48~~ | ~~1766~~ | ~~1.04~~ | ~~32.98~~ | ~~100.0~~ | ~~clear~~ |
| Purge | 5 | 8:40 | 0.5 | 40.33 | | 11.5 | 6.48 | 1766 | 1.04 | 32.98 | 100.0 | clear |
| | 10 | 8:45 | 0.5 | 41.09 | | 11.5 | 6.51 | 1756 | 1.13 | 17.17 | 97.7 | clear |
| | 15 | 8:50 | 1.0 | 43.83 | | 11.6 | 6.55 | 1761 | 1.34 | 13.56 | 92.6 | clear |
| ******* | 20 | 8:55 | 1.5 | 45.44 | | 11.6 | 6.58 | 1763 | 1.56 | 12.70 | 88.3 | clear |
| | 25 | 9:00 | 1.5 | 46.51 | | 11.6 | 6.61 | 1773 | 1.66 | 10.73 | 76.4 | clear |
| | 30 | 9:05 | 2.0 | 48.71 | | 11.6 | 6.63 | 1782 | 1.63 | 8.41 | 65.6 | clear |
| | 35 | 9:10 | 2.5 | 49.11 | | 11.5 | 6.65 | 1798 | 1.52 | 6.79 | 50.9 | clear |
| | 40 | 9:15 | 3.0 | 51.02 | | 10.8 | 6.77 | 1872 | 1.97 | 10.97 | 18.2 | clear |
| | 45 | 9:20 | 3.0 | 52.22 | | 10.2 | 6.88 | 1965 | 3.16 | 16.99 | -3.5 | clear |
| | 50 | 9:25 | 3.5 | 53.61 | | 9.9 | 6.94 | 2043 | 3.50 | 25.84 | -19.6 | clear |
| | 55 | 9:30 | 4.0 | 55.72 | | 10.0 | 6.95 | 2122 | 3.59 | 33.17 | -28.0 | clear |
| | 60 | 9:35 | 4.5 | 57.45 | | 9.9 | 6.96 | 2164 | 3.60 | 25.34 | -29.0 | clear |

### NOTES (continued)

Sampled @ 9:40 on 2/27/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

17 Partial Sampled 9:40 2/27/25

~~AR Dry @ 10:10~~

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /26/2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: Angelica Ramos

### WELL INFORMATION

Well ID: 20
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA0331Z
Heron Serial NO: FA01456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0950 | 0 | 14.88 | | — | — | — | — | — | — | — |
| Purge | 5 | 0955 | 0.5> | 14.89 | | 8.5 | 7.31 | 793 | 0.26 | 95.71 | -12.7 | Cloudy |
| | 10 | 1000 | 0.5> | 14.90 | | " " | 7.29 | 811 | 0.12 | 7.83 | -16.4 | clear |
| | 15 | 1005 | 0.5 | 14.92 | | " " | 7.28 | 820 | 0.08 | 6.42 | -25.3 | |
| ******* | 20 | 1010 | 0.5 | 14.94 | | " " | 7.27 | 826 | 0.06 | 8.01 | -30.7 | |
| | 25 | 1015 | 0.5 | 14.95 | | " " | 7.27 | 830 | 0.06 | 4.45 | -33.4 | |
| | 30 | 1020 | 1 | 14.96 | | " " | 7.27 | 833 | 0.04 | 4.62 | -36.8 | |
| Sample | 35 | 1025 | | | | | — | — | — | — | — | — |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

20
Sampled @ 1025 on 2 /26/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC -
Specific Electrical Conductance SU - Standard

20 sampled 1025 2/26/25

102
1025

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 / 25/2025
Field Personnel: Angelica Ramos

Sampling Equipment Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

### WELL INFORMATION

Well ID: 21
Casing ID: 2 in Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO: FA04590
Heron Serial NO: FA01456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 14:35 | 0 | 91.51 | | | | | | | | |
| Purge | 5 | 14:40 | <0.5 | 91.99 | | 12.7 | 7.14 | 722 | 0.33 | 8.60 | -83.5 | clear |
| | 10 | 14:45 | 0.5 | 92.87 | | 12.6 | 7.25 | 756 | 0.12 | 9.49 | -123.8 | clear |
| | 15 | 14:50 | 1.0 | 94.32 | | 12.6 | 7.35 | 757 | 0.83 | 12.42 | -153.3 | clear |
| ******* | 20 | 14:55 | 1.0 | 95.22 | | 12.5 | 7.37 | 750 | 0.73 | 20.55 | -163.9 | clear |
| | 25 | 15:00 | 1.5 | 96.28 | | 12.6 | 7.39 | 746 | 0.62 | 10.77 | -177.2 | clear |
| | 30 | 15:05 | 2.0 | 97.22 | | 12.8 | 7.41 | 744 | 0.63 | 9.58 | -187.3 | clear |
| | 35 | 15:10 | 2.5 | 98.24 | | 12.8 | 7.45 | 741 | 0.57 | 8.91 | -196.3 | clear |
| | 40 | 15:15 | 3.0 | 99.01 | | 12.9 | 7.45 | 744 | 0.50 | 9.28 | -195.3 | clear |
| Sample | 45 | 15:20 | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @ 15:20 on 2 / 25 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

21 MS @ 15:20 2/25/25

21 MSD @ 15:20 2/25/25

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 12 2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: Angelica Ramos

### WELL INFORMATION

Well ID: 22
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: F404570
Heron Serial NO: FA0456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 14:30 | 0 | 56.41 | | | | | | | | |
| Purge | 5 | 14:35 | <0.5 | 56.87 | | 12.7 | 7.33 | 843 | 0.24 | 61.02 | -69.5 | clear |
| | 10 | 14:40 | 0.5 | 57.11 | | 12.7 | 7.33 | 846 | 0.05 | 29.26 | -77.7 | clear |
| | 15 | 14:45 | 1.0 | 57.91 | | 12.7 | 7.33 | 847 | 0.02 | 46.32 | -83.8 | clear |
| ******* | 20 | 14:50 | 1.5 | 58.34 | | 12.6 | 7.34 | 849 | 0.00 | 1774.51 | -87.2 | very cloudy |
| | 25 | 14:55 | 2.0 | 59.66 | | 12.7 | 7.34 | 850 | 0.41 | 2649.93 | -88.4 | very cloudy |
| | 30 | 15:00 | 2.5 | 60.49 | | 12.5 | 7.38 | 849 | 0.53 | 2448.77 | -78.8 | very cloudy |
| | 35 | 15:05 | 3.0 | 61.71 | | 12.6 | 7.35 | 852 | 0.41 | 2657.48 | -85.3 | very cloudy |
| | 40 | 15:10 | 4.0 | 62.01 | | 12.6 | 7.35 | 853 | 0.49 | 2691.21 | -86.9 | very cloudy |
| Sample | 45 | 15:15 | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @ 15:15 on 2 12 1 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard
FT BTOC - Feet Below Top of Casing na -

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /26/2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: Angelica Ramos

### WELL INFORMATION

Well ID: 34
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA033312
Heron Serial NO: FA01456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1035 | — | 14.54 | | — | — | — | — | — | — | — |
| Purge | 5 | 1040 | 0.5> | 14.55 | | 9.5 | 7.74 | 1014 | 1.35 | 113.05 | -40.7 | Clear |
| | 10 | 1045 | 0.5 | 14.58 | | 8.9 | 7.39 | 1038 | 0.50 | 46.13 | -47.8 | Clear |
| | 15 | 1050 | 1 | 14.61 | | 9.0 | 7.39 | 1032 | 0.45 | 44.02 | -65.4 | Clear |
| ******* | 20 | 1055 | 1 | 14.65 | | 9.0 | 7.38 | 1033 | 0.39 | 46.03 | -70.3 | Clear |
| | 25 | 1100 | 1.5 | 14.68 | | 9.0 | 7.38 | 1034 | 0.39 | 44.79 | -74.7 | Clear |
| | 30 | 1105 | 2.0 | 14.70 | | 9.1 | 7.37 | 1034 | 0.38 | 43.22 | -74.9 | Clear |
| | 35 | 1110 | 2.0 | 14.71 | | 9.1 | 7.37 | 1034 | 0.37 | 44.38 | -74.4 | Clear |
| Sample | 40 | 1115 | | | | — | — | — | — | — | — | — |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

34
Sampled @ 1115 on 2 /26/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard
FT BTOC - Feet Below Top of Casing na -

34 sampled 1115 on 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /27/2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: G. Assalley

## WELL INFORMATION

Well ID: 35D
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA0 3312
Heron Serial NO: FAS 4484

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1025 | — | 11.50 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1030 | <0.5 | 12.35 | | 9.4 | 7.74 | 5055 | 0.75 | 13.16 | 220.4 | Clear |
| | 10 | 1035 | 0.5 | 13.02 | | 9.3 | 7.71 | 5087 | 0.33 | 12.65 | 215.7 | |
| | 15 | 1040 | 0.5 | 14.97 | | 9.3 | 7.68 | 5082 | 0.10 | 9.84 | 204.6 | |
| ******* | 20 | 1045 | 1 | 16.21 | | 9.3 | 7.67 | 5083 | 0.04 | 7.72 | 209.8 | |
| ↓ | 25 | 1050 | 1 | 16.97 | | 9.2 | 7.66 | 5083 | 0.04 | 9.31 | 210.9 | ↓ |
| Sample | 30 | 1055 | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

35D
Sampled @ 1055 on 2/27/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

35D sampled @ 1055 on 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /27/2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: G. Assalley

## WELL INFORMATION

Well ID: 35S
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other
(Specify): Low Flow
YSI SERIAL NO: FA0 3312
Heron Serial NO: FA0 4489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1120 | — | 12.04 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1125 | | 12.45 Dry | | | 7.48 | | 6.77 | 90.161 | ~~88.82~~ | Clear |
| | 10 | 1130 | | | | | | | | | 6A↑ 93.72 | |
| | 15 | 1135 | | | | | | | | | | |
| ******* | 20 | 1140 | | | | | | | | | | |
| | 25 | | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

Sampled @ Dry on 2 /27/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC -
Specific Electrical Conductance SU - Standard

35S Dry @ 1125

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 26 /2025
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer
Field Personnel: G. Assalluy

### WELL INFORMATION

Well ID: 36
Casing ID: 2 Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA04489

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0820 | 0 | 14.34 | | | | | | | | |
| Purge | 5 | 0825 | 0.5 | 14.99 | | 12.1 | 7.22 | 2170 | 0.47 | 328.66 | -72.9 | Foggy |
| | 10 | 0830 | 0.5 | 14.94 | | 12.1 | 7.31 | 2219 | 0.14 | 41.35 | -98.5 | Clear |
| | 15 | 0835 | 1 | 14.95 | | 12.1 | 7.36 | 2234 | 0.09 | 9.73 | -112.5 | Clear |
| ******* | 20 | 0840 | 1.5 | 14.99 | | 12.1 | 7.38 | 2240 | 0.02 | 8.73 | -114.7 | " " |
| | 25 | 0845 | 2 | 14.97 | | 12.1 | 7.39 | 2245 | 0.09 | 7.72 | -118.6 | " " |
| Sample | 30 | 0850 | | | | — | — | — | — | — | — | — |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Ver_36
Sampled @ 0850 on 2 /26/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

Ver_36 sampled @ 0850 on 2/26/25

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

19

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/26/2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

### WELL INFORMATION

Well ID: 37
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA047590
Heron Serial NO: FA044489

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0900 | 0 | 8.85 | | — | — | — | — | — | — | — |
| Purge | 5 | 0905 | 0.5 | 8.84 | | 11.6 | 6.66 | 1470 | 0.05 | 48.72 | -115.5 | Clear |
| ↓ | 10 | 0910 | 0.5 | 8.85 | | 11.9 | 6.69 | 1377 | 0.03 | 42.64 | -152.4 | " " |
| ↓ | 15 | 0915 | 1 | 8.87 | | 12.0 | 6.72 | 1411 | 0.01 | 44.23 | -160.6 | " " |
| ******* | 20 | 0920 | 1.5 | 8.88 | | 12.0 | 6.73 | 1407 | 0.02 | 41.74 | -161.7 | " " |
| Sample | 25 | 0925 | 1.5 | 8.89 | | — | — | — | — | — | — | — |
| Sample | 30 | 0930 | 2 | 8.90 | | — | — | — | — | — | — | — |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Ver 37
Sampled @ 09:25 on 2/26/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

Ver_37 sampled @ 0925 on 2/26/25

Ver_37 FD sampled @ 0930 on 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /26/2025
Field Personnel: Angelica Ramos
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 38
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA0 5312
Heron Serial NO: FA0/456

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0825 | 0 | 5.10 | | — | — | — | — | — | — | — |
| Purge | 5 | 0830 | 0.5> | 5.15 | | 9.0 | 7.13 | 1070 | 0.11 | 73.96 | 160.7 | Clear |
| | 10 | 0835 | 0.5> | 4.48 | | 9.0 | 7.17 | 1068 | 0.06 | 61.57 | 153.4 | |
| | 15 | 0840 | 1 | 4.82 | | 9.1 | 7.23 | 1068 | 0.04 | 106.21 | 148.7 | |
| ******* | 20 | 0845 | 1.5 | 5.22 | | 9.1 | 7.25 | 1070 | 0.03 | 179.02 | 131.0 | |
| | 25 | 0850 | 2 | 5.36 | | 9.1 | 7.26 | 1072 | 0.02 | 212.35 | 110.7 | |
| | 30 | 0855 | 2.5 | 5.62 | | 9.1 | 7.25 | 1074 | 0.02 | 254.02 | 111.4 | |
| | 35 | 0900 | 3 | 6.03 | | 9.2 | 7.24 | 1073 | 0.01 | 306.17 | 111.3 | |
| | 40 | 0905 | 3.5 | 6.57 | | 9.2 | 7.24 | 1075 | 0.01 | 162.89 | 111.2 | |
| | 45 | 0910 | 4 | 6.78 | | 9.2 | 7.24 | 1075 | 0.01 | 137.72 | 121.2 | |
| | 50 | 0915 | 4.5 | 7.21 | | 9.1 | 7.24 | 1077 | 0.09 | 190.71 | 123.7 | |
| | 55 | 0920 | 4.5 | 7.65 | | 9.3 | 7.25 | 1076 | 0.09 | 108.50 | 124.4 | |
| | 60 | 0925 | 5 | 7.88 | | 9.2 | 7.27 | 1076 | 0.08 | 140.06 | 124.2 | |

## NOTES (continued)

Sampled @0930 on 2/26/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

_38 sampled @ 0930 on 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/27/2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 41 + Dup.
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA022212
Heron Serial NO: FA021439

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1255 | — | 6.43 | | — | — | — | — | — | — | — |
| Purge | 5 | 1300 | 0.5 | 6.55 | | 9.8 | 7.47 | 1275 | 0.23 | 50.65 | -130.72 | Clear |
| | 10 | 1305 | 1 | 6.57 | | 9.8 | 7.43 | 1273 | 0.07 | 25.32 | -115.22 | |
| | 15 | 1310 | 2 | 6.59 | | 9.9 | 7.43 | 1273 | 0.05 | 23.75 | -117.44 | |
| ******* | 20 | 1315 | 2.5 | 6.51 | | 9.8 | 7.44 | 1273 | 0.03 | 24.32 | -117.73 | |
| Sample | 25 | 1320 | 3 | 6.61 | | — | — | — | — | — | — | — |
| Sample | 30 | 1325 | — | | | — | — | — | — | — | — | — |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

41
Sampled @ 1320 on 2/27/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

41 sampled @ 1320 on 2/27/25
Dup 41 sampled @ 1325 on 2/27/25

## WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

### PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/27/2025
Field Personnel: Angelica Ramos
Sampling Equipent Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer

### WELL INFORMATION

Well ID: 42
Casing ID: 2" Inches

### EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO: FA04590
Heron Serial NO: FA01456

### WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 10:30 | 0 | 26.43 | | | | | | | | |
| Purge | 5 | 10:35 | 0.5 | 26.58 | | 10.8 | 7.43 | 1026 | 0.52 | 38.69 | -151.9 | clear |
| | 10 | 10:40 | 0.5 | 26.72 | | 10.8 | 7.46 | 1022 | 0.30 | 37.02 | -171.1 | clear |
| | 15 | 10:45 | 1 | 26.89 | | 10.9 | 7.46 | 1019 | 0.22 | 25.83 | -176.8 | clear |
| ******* | 20 | 10:50 | 1.5 | 27.12 | | 10.9 | 7.46 | 1017 | 0.27 | 15.95 | -179.2 | clear |
| | 25 | 10:55 | 2.0 | 27.38 | | 10.9 | 7.46 | 1017 | 0.19 | 12.28 | -180.6 | clear |
| | 30 | 11:00 | 2.5 | 27.81 | | 10.9 | 7.45 | 1017 | 0.19 | 9.88 | -181.1 | clear |
| | 35 | 11:05 | 3.0 | 28.05 | | 10.9 | 7.45 | 1017 | 0.24 | 8.26 | -180.1 | clear |
| | 40 | 11:10 | 3.5 | 28.22 | | 10.9 | 7.45 | 1018 | 0.21 | 9.53 | -180.3 | clear |
| Sample | 45 | 11:15 | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

### NOTES (continued)

Sampled @ 11:15 on 2/27/ 2025

### ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

42 Sampled 11:15 2/27/25

42 MS Sampled 11:15 2/27/25

42 MSD Sampled 11:15 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021
Task #:
Start Date: 2/27/2025
Field Personnel: Angelica Ramos
Sampling Equipment Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer

## WELL INFORMATION

Well ID: 43
Casing ID: Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO: FA04590
Heron Serial NO: FA01456

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 12:40 | ~~[illegible]~~ 0 | 16.38 | | | | | | | | |
| Purge | 5 | 12:45 | <0.5 | 16.49 | | 11.6 | 7.41 | 1396 | 2.88 | 86.81 | -111.1 | Clear |
| | 10 | 12:50 | 0.5 | 16.72 | | 11.5 | 7.52 | 1395 | 3.53 | 43.23 | -118.1 | Clear |
| | 15 | 12:55 | 1.0 | 16.98 | | 11.2 | 7.57 | 1395 | 3.70 | 16.45 | -122.7 | Clear |
| ******* | 20 | 13:00 | 1.5 | 17.27 | | 11.3 | 7.59 | 1395 | 3.73 | 16.12 | -125.4 | Clear |
| | 25 | 13:05 | 2.0 | 17.48 | | 11.2 | 7.61 | 1393 | 3.75 | 15.89 | -127.5 | Clear |
| SAMPLE | 30 | 13:10 | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

Sampled @ 13:10 on 2/27/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

43 Sampled 13:10 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/26/2025
Field Personnel: G. Assalino
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 70D
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA04489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | ~~0~~ 1425 | — | 17.49 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1430 | <0.5 | 18.81 | — | 11.7 | 6.85 | 3812 | 0.78 | 82.87 | -19.6 | Clear |
| ↓ | 10 | 1435 | ~~0.5~~ 1.0 | 19.91 | | 11.5 | 6.83 | 3422 | 0.27 | 187.80 | -21.6 | " " |
| | 15 | 1440 | 1.5 | 21.66 | | 11.8 | 6.78 | 3298 | 0.14 | 184.72 | -18.9 | " " |
| ******** | 20 | 1445 | 2 | 23.21 | | 11.8 | 6.75 | 3248 | 0.09 | 187.32 | -9.2 | " " |
| ↓ | 25 | 1450 | 2.5 | | | 11.8 | 6.75 | 3202 | 0.08 | 180.64 | -10.6 | " " |
| Sampler | 30 | 1455 | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

70D
Sampled @ 1455 on 2/26/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

70D sampled @ 1455 on 2/2/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/26/2025
Field Personnel: G. Assalluy
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 705
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA04489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1350 | — | 13.55 | — | — | — | — | — | — | — | — |
| Purge | 5 | 1355 | 0.5 | 13.59 | — | 12.1 | 6.66 | 1499 | 0.17 | 16.06 | -31.2 | Clear |
| | 10 | 1400 | 1 | 13.57 | | 12.1 | 6.71 | 1517 | 0.09 | 6.81 | -23.0 | " " |
| | 15 | 1405 | 1.5 | 13.59 | | 12.1 | 6.74 | 1525 | 0.06 | 4.65 | -16.0 | " " |
| ******** | 20 | 1410 | 2 | 13.60 | | 12.1 | 6.76 | 1527 | 0.05 | 5.54 | -14.6 | " " |
| Sample | 25 | 1415 | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

705
Sampled @ 1415 on 2/26/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

705 sampled @ 1415 on 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 /27/2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 71D
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA03312
Heron Serial NO: FA04489

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0925 | — | 28.89 | — | — | — | — | — | — | — | — |
| Purge | 5 | 0930 | 0.5 > | 29.85 | | 9.2 | 7.36 | 4119 | ~~0.02~~ 0.4 | 90.72 | 140.7 | Clear |
| | 10 | 0935 | 0.5 | 31.74 | | 9.4 | 7.18 | 4198 | 0.39 | 7.90 | 142.4 | |
| | 15 | 0940 | 0.5 | 33.35 | | 9.5 | 7.20 | 4158 | 0.19 | 7.20 | 134.8 | |
| ******* | 20 | 0945 | 1 | 33.98 | | 9.6 | 7.22 | 3442 | 0.73 | 9.89 | 120.4 | |
| | 25 | 0950 | 1.5 | 34.35 | | 9.6 | 7.27 | 2412 | 2.04 | 9.95 | 111.7 | |
| | 30 | 0955 | 1.5 | 35.40 | | 9.7 | 7.26 | 2418 | 2.19 | 8.72 | 110.7 | |
| | 35 | 1000 | 2 | 35.92 | | 9.6 | 7.24 | 2462 | 2.11 | 9.43 | 109.4 | |
| Sample | 40 | 1005 | 2.5 | 35.49 | | — | — | — | — | — | — | — |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

4.45

## NOTES (continued)

71D
Sampled @ 1005 on 2/27/ 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

71D sampled @ 1005 on 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2 / 27 /2025
Field Personnel: G. Assalley
Sampling Equipent Used (Circle): Dedicated Bladder ~~Peristaltic Pump~~ Portable Bladder Bailer

## WELL INFORMATION

Well ID: 715
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA033i2
Heron Serial NO: FA044389

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 0825 | — | 11.17 | | — | — | — | — | — | — | — |
| Purge | 5 | 0830 | 0.5> | 11.88 | | 7.5 | 7.05 | 10916 | 3.60 | 166.42 | -12.4 | Clear |
| ↓ | 10 | 0835 | 0.5 | 11.89 | | 6.0 | 7.02 | 1091 | 3.24 | 42.16 | -9.7 | ↓ |
| | 15 | 0840 | 0.5 | 11.87 | | 6.0 | 6.92 | 1083 | 0.51 | 3.39 | 0.7 | |
| ******** | 20 | 0845 | 1 | 11.87 | | 6.1 | 6.91 | 1079 | 0.37 | 2.93 | 3.9 | |
| ↓ | 25 | 0855 | 1 | 11.88 | | 6.1 | 6.91 | 1080 | 0.34 | 2.79 | 5.6 | ↓ |
| Sample | 30 | 0900 | 1.5 | | | — | — | — | — | — | — | — |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

715
Sampled @ 0900 on 2 / 27 / 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

715 sampled @ 0900 on 2/27/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Project Number: 2025.0021 Task #:
Client: Vistra
Start Date: 2 / 27 / 2025
Field Personnel: Angelica Ramos

Sampling Equipment Used (Circle):
Dedicated Bladder Peristaltic Pump Portable Bladder Bailer

## WELL INFORMATION

Well ID: 72
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow

YSI SERIAL NO: FA04590
Heron Serial NO: FA014556

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 16:10 | [illegible]0 | 14.91 | | | | | | | | |
| Purge | 5 | 16:15 | 40.5 | 14.99 | | | | | | | | |
| | 10 | 16:20 | 0.5 | 15.08 | | 11.1 | 6.66 | 3619 | 1.08 | 52.08 | 35.2 | clear |
| | 15 | 16:25 | 1.0 | 15.13 | | 10.9 | 6.66 | 3631 | 1.01 | 37.98 | 38.3 | clear |
| ******* | 20 | 16:30 | 1.0 | 15.17 | | 10.7 | 6.67 | 3634 | 0.97 | 38.73 | 40.7 | clear |
| | 25 | 16:35 | 1.5 | 15.20 | | 10.7 | 6.67 | 3636 | 0.94 | 37.38 | 35.9 | clear |
| Dry [illegible] | 30 | 16:40 | | | | 10.6 | 6.67 | 3637 | 0.96 | 39.42 | 31.9 | clear |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

Sampled @ 16:40 on 2 / 27 / 2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

72 [illegible] 16:40 2/27/25
Dry

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: / /2025
Field Personnel: Angelica Ramos
Sampling Equipent Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer

## WELL INFORMATION

Well ID: ND3
Casing ID: Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA0[illegible]
Heron Serial NO: FA0:456

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 1400 | ~~0~~ | 18.60 | | — | — | — | — | — | — | — |
| Purge | 5 | 1405 | <0.5 | 18.63 | | 10.5 | 8.90 | 2129 | 3.35 | 17.57 | 140.7 | Clear |
| | 10 | 1410 | 0.5 | 18.72 | | 10.6 | 9.24 | 2205 | 1.24 | 24.64 | 132.4 | |
| | 15 | 1415 | 1.0 | 18.79 | | 10.4 | 9.31 | 2208 | 4.84 | 71.55 | 167.8 | |
| ******* | 20 | 1420 | 1.0 | 18.83 | | 10.3 | 9.32 | 2215 | 4.66 | 23.04 | 169.4 | |
| | 25 | 1425 | 1.5 | 18.95 | | 10.3 | 9.32 | 2212 | 4.54 | 41.77 | 170.9 | |
| | 30 | 1430 | 2 | 18.98 | | 10.2 | 9.30 | 2210 | 4.39 | 44.03 | 171.2 | |
| | 35 | 1435 | 2.5 | 19.10 | | 10.2 | 9.29 | 2210 | 4.48 | 41.86 | 172.3 | |
| Sample | 40 | 1440 | — | — | | — | — | — | — | — | — | — |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

ND3
Sampled @1440 on 2/26/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021 Task #:
Start Date: 2/26/2025
Field Personnel: Angelita Ramos
Sampling Equipment Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer

## WELL INFORMATION

Well ID: NED1
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO: FA04590
Heron Serial NO: FA01456

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 16:05 | 0 | 4.23 | | | | | | | | |
| Purge | 5 | 16:10 | 0.5 | 4.26 | | 8.7 | 7.33 | 2335 | 0.10 | 26.15 | 43.3 | clear |
| | 10 | 16:15 | 0.5 | 4.31 | | 9.2 | 7.42 | 2329 | 0.19 | 22.29 | +75.2 | clear |
| | 15 | 16:20 | 0.5 | 4.35 | | 9.6 | 7.51 | 2334 | 0.12 | 14.71 | 146.2 | clear |
| ******* | 20 | 16:25 | 1.0 | 4.39 | | 9.7 | 7.56 | 2340 | 0.09 | 7.54 | -174.9 | clear |
| | 25 | 16:30 | 1.0 | 4.46 | | 9.8 | 7.53 | 2350 | 0.07 | 7.66 | -185.8 | clear |
| | 30 | 16:35 | 1.5 | 4.51 | | 9.9 | 7.59 | 2352 | 0.06 | 3.37 | -194.1 | clear |
| | 35 | 16:40 | 2.0 | 4.59 | | 9.9 | 7.60 | 2356 | 0.05 | 2.69 | -195.2 | clear |
| Sample | 40 | 16:45 | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

Sampled @16:45 on 2/26/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

NED1 sampled 16:45 2/26/25

# WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

## PROJECT INFORMATION

Site: Vermillion
Client: Vistra
Project Number: 2025.0021
Task #:
Start Date: 2/26/2025
Field Personnel: Angelica Ramos
Sampling Equipment Used (Circle): Dedicated Bladder, Peristaltic Pump, Portable Bladder, Bailer

## WELL INFORMATION

Well ID: OED1
Casing ID: 2" Inches

## EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling Other (Specify): Low Flow
YSI SERIAL NO:
Heron Serial NO:

## WATER QUALITY INDICATOR PARAMETERS (continued)

| Sampling Stage | Minutes Elapsed | Time (military) | Volume Removed (gallons) | Depth to Water (Feet) | Drawdown (Feet) | Temp. (°C) +/- 0.1 | pH (SU) +/- 0.1 | SEC or Cond. (µs/cm) 3% | Dissolved Oxygen (mg/L) 10% or +/- 0.2 | Turbidity (NTU) 10% or <10 NTU's | ORP (mV) +/- 10mV | Visual Clarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pre | 0 | 15:30 | 0 | 43.70 | | | | | | | | |
| Purge | 5 | 15:35 | 0.5 | 46.88 | | | | | | | | |
| | 10 | 15:40 | 0.5 | Dry | | 8.8 | 7.46 | 1068 | 0.72 | 102.21 | 95.6 | clear |
| | 15 | | | | | | | | | | | |
| ******* | 20 | | | | | | | | | | | |
| | 25 | | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 35 | | | | | | | | | | | |
| | 40 | | | | | | | | | | | |
| | 45 | | | | | | | | | | | |
| | 50 | | | | | | | | | | | |
| | 55 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |

## NOTES (continued)

Sampled @ 15:40 on 2/26/2025

## ABBREVIATIONS

Cond. - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard

OED1 ran dry 15:40 2/26/25

# ATTACHMENT C
# COMPARISON TO BACKGROUND
# QUARTER 1, 2025

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 16B | UU | E008 | Antimony, total | mg/L | -- | -- | -- | -- | NS[7] | 0.00500 |
| 16B | UU | E008 | Arsenic, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 16B | UU | E008 | Barium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0820 |
| 16B | UU | E008 | Beryllium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 16B | UU | E008 | Boron, total | mg/L | -- | -- | -- | -- | NS[7] | 0.430 |
| 16B | UU | E008 | Cadmium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 16B | UU | E008 | Chloride, total | mg/L | -- | -- | -- | -- | NS[7] | 20.4 |
| 16B | UU | E008 | Chromium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.00400 |
| 16B | UU | E008 | Cobalt, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0900 |
| 16B | UU | E008 | Fluoride, total | mg/L | -- | -- | -- | -- | NS[7] | 0.430 |
| 16B | UU | E008 | Lead, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 16B | UU | E008 | Lithium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0300 |
| 16B | UU | E008 | Mercury, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0002 |
| 16B | UU | E008 | Molybdenum, total | mg/L | -- | -- | -- | -- | NS[7] | 0.00400 |
| 16B | UU | E008 | pH (field) | SU | -- | -- | -- | -- | NS[7] | 6.3/7.8 |
| 16B | UU | E008 | Radium 226 + Radium 228, total | pCi/L | -- | -- | -- | -- | NS[7] | 7.00 |
| 16B | UU | E008 | Selenium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 16B | UU | E008 | Sulfate, total | mg/L | -- | -- | -- | -- | NS[7] | 338 |
| 16B | UU | E008 | Thallium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.002 |
| 16B | UU | E008 | Total Dissolved Solids | mg/L | -- | -- | -- | -- | NS[7] | 1,080 |
| 16A | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/25/25 | 15 | 93 | CB around T-S line | 0.001 | 0.00500 |
| 16A | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/25/25 | 15 | 7 | CI around geomean | 0.0011 | 0.001 |
| 16A | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CI around mean | 0.265 | 0.0820 |
| 16A | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.001 | 0.001 |
| 16A | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CB around linear reg | 0.698 | 0.430 |
| 16A | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.0005 | 0.001 |
| 16A | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CI around mean | 126 | 20.4 |

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 16A | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 80 | CB around T-S line | 0.0015 | 0.00400 |
| 16A | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/25/25 | 15 | 80 | CI around median | 0.001 | 0.0900 |
| 16A | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/25/25 | 15 | 7 | CI around mean | 0.701 | 0.430 |
| 16A | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/25/25 | 15 | 80 | CI around median | 0.0005 | 0.001 |
| 16A | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 0 | CB around T-S line | 0.0313 | 0.0300 |
| 16A | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 16A | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.005 | 0.00400 |
| 16A | BCU | E008 | pH (field) | SU | 04/01/21 - 02/25/25 | 20 | 0 | CI around mean | 7.2/7.5 | 6.3/7.8 |
| 16A | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/25/25 | 14 | 0 | CB around linear reg | 1.02 | 7.00 |
| 16A | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.0025 | 0.001 |
| 16A | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/25/25 | 20 | 5 | CB around linear reg | -20 | 338 |
| 16A | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/25/25 | 15 | 100 | All ND - Last | 0.002 | 0.002 |
| 16A | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/25/25 | 20 | 0 | CI around mean | 650 | 1,080 |
| 35S | UU | E008 | Antimony, total | mg/L | -- | -- | -- | -- | NS[7] | 0.00500 |
| 35S | UU | E008 | Arsenic, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 35S | UU | E008 | Barium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0820 |
| 35S | UU | E008 | Beryllium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 35S | UU | E008 | Boron, total | mg/L | -- | -- | -- | -- | NS[7] | 0.430 |
| 35S | UU | E008 | Cadmium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 35S | UU | E008 | Chloride, total | mg/L | -- | -- | -- | -- | NS[7] | 20.4 |
| 35S | UU | E008 | Chromium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.00400 |
| 35S | UU | E008 | Cobalt, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0900 |
| 35S | UU | E008 | Fluoride, total | mg/L | -- | -- | -- | -- | NS[7] | 0.430 |
| 35S | UU | E008 | Lead, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 35S | UU | E008 | Lithium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0300 |
| 35S | UU | E008 | Mercury, total | mg/L | -- | -- | -- | -- | NS[7] | 0.0002 |
| 35S | UU | E008 | Molybdenum, total | mg/L | -- | -- | -- | -- | NS[7] | 0.00400 |

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 35S | UU | E008 | pH (field) | SU | -- | -- | -- | -- | NS[7] | 6.3/7.8 |
| 35S | UU | E008 | Radium 226 + Radium 228, total | pCi/L | -- | -- | -- | -- | NS[7] | 7.00 |
| 35S | UU | E008 | Selenium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.001 |
| 35S | UU | E008 | Sulfate, total | mg/L | -- | -- | -- | -- | NS[7] | 338 |
| 35S | UU | E008 | Thallium, total | mg/L | -- | -- | -- | -- | NS[7] | 0.002 |
| 35S | UU | E008 | Total Dissolved Solids | mg/L | -- | -- | -- | -- | NS[7] | 1,080 |
| 35D | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/27/25 | 16 | 81 | CI around median | 0.001 | 0.00500 |
| 35D | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/27/25 | 16 | 19 | CI around geomean | 0.00171 | 0.001 |
| 35D | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CB around T-S line | -0.0659 | 0.0820 |
| 35D | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.001 | 0.001 |
| 35D | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CI around mean | 1.71 | 0.430 |
| 35D | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.0005 | 0.001 |
| 35D | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CI around mean | 331 | 20.4 |
| 35D | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 75 | CB around T-S line | 0.00245 | 0.00400 |
| 35D | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/27/25 | 16 | 56 | CB around T-S line | -0.00229 | 0.0900 |
| 35D | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/27/25 | 16 | 6 | CI around median | 0.66 | 0.430 |
| 35D | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/27/25 | 16 | 62 | CB around T-S line | -0.0042 | 0.001 |
| 35D | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 0 | CI around mean | 0.118 | 0.0300 |
| 35D | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 35D | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/27/25 | 16 | 44 | CB around linear reg | -0.0024 | 0.00400 |
| 35D | BCU | E008 | pH (field) | SU | 04/01/21 - 02/27/25 | 20 | 0 | CI around median | 7.3/7.7 | 6.3/7.8 |
| 35D | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/27/25 | 15 | 0 | CI around mean | 0.452 | 7.00 |
| 35D | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.0025 | 0.001 |
| 35D | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/27/25 | 21 | 0 | CI around mean | 1,150 | 338 |
| 35D | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/27/25 | 16 | 100 | All ND - Last | 0.002 | 0.002 |
| 35D | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/27/25 | 21 | 0 | CI around mean | 2,830 | 1,080 |
| 70S | UU | E008 | Antimony, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.003 | 0.00500 |

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 70S | UU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.001 | 0.001 |
| 70S | UU | E008 | Barium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.0163 | 0.0820 |
| 70S | UU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.001 | 0.001 |
| 70S | UU | E008 | Boron, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.4 | 0.430 |
| 70S | UU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0005 | 0.001 |
| 70S | UU | E008 | Chloride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 8.08 | 20.4 |
| 70S | UU | E008 | Chromium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.005 | 0.00400 |
| 70S | UU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.001 | 0.0900 |
| 70S | UU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 6 | CI around median | 0.14 | 0.430 |
| 70S | UU | E008 | Lead, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0005 | 0.001 |
| 70S | UU | E008 | Lithium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 0.0143 | 0.0300 |
| 70S | UU | E008 | Mercury, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 70S | UU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/26/25 | 16 | 44 | CI around median | 0.005 | 0.00400 |
| 70S | UU | E008 | pH (field) | SU | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 6.9/7.0 | 6.3/7.8 |
| 70S | UU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/26/25 | 15 | 0 | CI around geomean | 0.104 | 7.00 |
| 70S | UU | E008 | Selenium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0025 | 0.001 |
| 70S | UU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 421 | 338 |
| 70S | UU | E008 | Thallium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.002 | 0.002 |
| 70S | UU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 967 | 1,080 |
| 70D | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/26/25 | 16 | 88 | CI around median | 0.001 | 0.00500 |
| 70D | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/26/25 | 16 | 69 | CI around median | 0.001 | 0.001 |
| 70D | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.451 | 0.0820 |
| 70D | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 81 | CI around median | 0.001 | 0.001 |
| 70D | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 1.23 | 0.430 |
| 70D | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0005 | 0.001 |
| 70D | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 537 | 20.4 |
| 70D | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 50 | CB around T-S line | -0.0699 | 0.00400 |

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 70D | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/26/25 | 16 | 19 | CB around T-S line | -0.0648 | 0.0900 |
| 70D | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/26/25 | 16 | 6 | CI around geomean | 0.423 | 0.430 |
| 70D | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/26/25 | 16 | 25 | CB around T-S line | -0.0453 | 0.001 |
| 70D | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 0.0817 | 0.0300 |
| 70D | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 70D | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/26/25 | 16 | 50 | CB around linear reg | -0.0149 | 0.00400 |
| 70D | BCU | E008 | pH (field) | SU | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 6.9/7.2 | 6.3/7.8 |
| 70D | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/26/25 | 15 | 0 | CB around T-S line | -12.4 | 7.00 |
| 70D | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 88 | CB around T-S line | 0.001 | 0.001 |
| 70D | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CB around linear reg | 25.6 | 338 |
| 70D | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/26/25 | 16 | 100 | All ND - Last | 0.002 | 0.002 |
| 70D | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/26/25 | 16 | 0 | CI around mean | 1,400 | 1,080 |
| 71S | UU | E008 | Antimony, total | mg/L | 04/01/21 - 02/27/25 | 10 | 100 | All ND - Last | 0.003 | 0.00500 |
| 71S | UU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CB around linear reg | -0.00357 | 0.001 |
| 71S | UU | E008 | Barium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.0429 | 0.0820 |
| 71S | UU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 100 | All ND - Last | 0.001 | 0.001 |
| 71S | UU | E008 | Boron, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.198 | 0.430 |
| 71S | UU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.0005 | 0.001 |
| 71S | UU | E008 | Chloride, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around geomean | 1.75 | 20.4 |
| 71S | UU | E008 | Chromium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CB around T-S line | 0.0015 | 0.00400 |
| 71S | UU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/27/25 | 10 | 50 | CI around median | 0.001 | 0.0900 |
| 71S | UU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.172 | 0.430 |
| 71S | UU | E008 | Lead, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.0005 | 0.001 |
| 71S | UU | E008 | Lithium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.00477 | 0.0300 |
| 71S | UU | E008 | Mercury, total | mg/L | 04/01/21 - 02/27/25 | 10 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 71S | UU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/27/25 | 10 | 20 | CI around mean | 0.00225 | 0.00400 |
| 71S | UU | E008 | pH (field) | SU | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 6.7/6.9 | 6.3/7.8 |

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

| Well ID | HSU | Event | Parameter | Units | Date Range | Sample Count | Percent ND | Statistical Calculation | Statistical Result | Background |
|---|---|---|---|---|---|---|---|---|---|---|
| 71S | UU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around mean | 0.245 | 7.00 |
| 71S | UU | E008 | Selenium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.001 | 0.001 |
| 71S | UU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CI around median | 60 | 338 |
| 71S | UU | E008 | Thallium, total | mg/L | 04/01/21 - 02/27/25 | 10 | 90 | CI around median | 0.002 | 0.002 |
| 71S | UU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/27/25 | 10 | 0 | CB around linear reg | 536 | 1,080 |
| 71D | BCU | E008 | Antimony, total | mg/L | 04/01/21 - 02/27/25 | 8 | 75 | CI around median | 0.001 | 0.00500 |
| 71D | BCU | E008 | Arsenic, total | mg/L | 04/01/21 - 02/27/25 | 8 | 62 | CI around median | 0.001 | 0.001 |
| 71D | BCU | E008 | Barium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 0.207 | 0.0820 |
| 71D | BCU | E008 | Beryllium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 88 | CI around median | 0.0005 | 0.001 |
| 71D | BCU | E008 | Boron, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 0.781 | 0.430 |
| 71D | BCU | E008 | Cadmium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 100 | All ND - Last | 0.0005 | 0.001 |
| 71D | BCU | E008 | Chloride, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 364 | 20.4 |
| 71D | BCU | E008 | Chromium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 38 | CI around median | 0.0028 | 0.00400 |
| 71D | BCU | E008 | Cobalt, total | mg/L | 04/01/21 - 02/27/25 | 8 | 50 | CB around linear reg | -0.0519 | 0.0900 |
| 71D | BCU | E008 | Fluoride, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CB around linear reg | 0.166 | 0.430 |
| 71D | BCU | E008 | Lead, total | mg/L | 04/01/21 - 02/27/25 | 8 | 12 | CI around geomean | 0.000717 | 0.001 |
| 71D | BCU | E008 | Lithium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 0.0489 | 0.0300 |
| 71D | BCU | E008 | Mercury, total | mg/L | 04/01/21 - 02/27/25 | 8 | 100 | All ND - Last | 0.0002 | 0.0002 |
| 71D | BCU | E008 | Molybdenum, total | mg/L | 04/01/21 - 02/27/25 | 8 | 50 | CB around linear reg | -0.00997 | 0.00400 |
| 71D | BCU | E008 | pH (field) | SU | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 6.9/7.4 | 6.3/7.8 |
| 71D | BCU | E008 | Radium 226 + Radium 228, total | pCi/L | 04/01/21 - 02/27/25 | 6 | 0 | CI around geomean | 1.18 | 7.00 |
| 71D | BCU | E008 | Selenium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 88 | CI around median | 0.001 | 0.001 |
| 71D | BCU | E008 | Sulfate, total | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CI around mean | 42.8 | 338 |
| 71D | BCU | E008 | Thallium, total | mg/L | 04/01/21 - 02/27/25 | 8 | 100 | All ND - Last | 0.002 | 0.002 |
| 71D | BCU | E008 | Total Dissolved Solids | mg/L | 04/01/21 - 02/27/25 | 8 | 0 | CB around linear reg | 1,550 | 1,080 |

**ATTACHMENT C.**
**COMPARISON TO BACKGROUND - QUARTER 1, 2025**
845 QUARTERLY REPORT
VERMILION POWER PLANT
NEW EAST ASH POND
OAKWOOD, IL

**Notes:**
– = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC's (DMG's) operating permit application for the New East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:
NA
HSU = hydrostratigraphic unit:
BCU = Bedrock Confining Unit
UU = Upper Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
For pH, the values presented are the lower / upper limits of the background determination