



Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive

September 9, 2024

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
1021 North Grand Avenue East
Springfield, IL 62794

Re: Vermilion Power Plant North Ash Pond and Old East Ash Pond; IEPA ID # W1838000002-01 and W1838000002-03

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 2, 2024 sampling event at the Vermilion Power Plant North Ash Pond and Old East Ash Pond (NAP-OEAP), identified by Illinois Environmental Protection Agency (IEPA) ID Nos. W1838000002-01 and W1838000002-03. 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 compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPSs.

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 NAP-OEAP was submitted to IEPA on January 25, 2022 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 NAP-OEAP. 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,

A handwritten signature in blue ink that reads "Dianna Tickner".

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2024, North Ash Pond and Old East Ash Pond, Vermilion Power Plant, Oakwood, Illinois

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 2, 2024
NORTH ASH POND AND OLD EAST ASH POND, VERMILION POWER PLANT,
OAKWOOD, ILLINOIS

September 9, 2024

Samples were collected between May 7 to 9, 2024 and June 6, 2024 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 July 11, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2024 sampling event. **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 2, 2024 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ included in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 2, 2024 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS, as shown in **Table 2**. The date of this submittal is considered to be the date that the exceedances were detected.

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 2, 2024
Table 2	Comparison of Statistical Results to GWPS - Quarter 2, 2024

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 2, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 2, 2024
Attachment C	Comparison of Statistical Results to Background - Quarter 2, 2024

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. North Ash Pond and Old East Ash Pond. Vermilion Power Plant. Oakwood, Illinois. October 25, 2021.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
21	Background	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
21	Background	E005	06/06/2024	Arsenic, total	0.0470	mg/L
21	Background	E005	06/06/2024	Barium, total	0.130	mg/L
21	Background	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
21	Background	E005	06/06/2024	Boron, total	0.850 J+	mg/L
21	Background	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
21	Background	E005	06/06/2024	Calcium, total	85.0	mg/L
21	Background	E005	06/06/2024	Chloride, total	2.40	mg/L
21	Background	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
21	Background	E005	06/06/2024	Cobalt, total	0.0004 U	mg/L
21	Background	E005	06/06/2024	Dissolved Oxygen	0.310	mg/L
21	Background	E005	06/06/2024	Fluoride, total	0.920	mg/L
21	Background	E005	06/06/2024	Lead, total	0.00019 U	mg/L
21	Background	E005	06/06/2024	Lithium, total	0.0026 J	mg/L
21	Background	E005	06/06/2024	Mercury, total	0.000076 U	mg/L
21	Background	E005	06/06/2024	Molybdenum, total	0.003 J	mg/L
21	Background	E005	06/06/2024	Oxidation Reduction Potential	35.0	mV
21	Background	E005	06/06/2024	pH (field)	8.1	SU
21	Background	E005	06/06/2024	Radium 226 + Radium 228, total	0.902	pCi/L
21	Background	E005	06/06/2024	Selenium, total	0.00098 U	mg/L
21	Background	E005	06/06/2024	Specific Conductance @ 25C (field)	815	micromhos/cm
21	Background	E005	06/06/2024	Sulfate, total	82.0	mg/L
21	Background	E005	06/06/2024	Temperature	14.9	degrees C
21	Background	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
21	Background	E005	06/06/2024	Total Dissolved Solids	660	mg/L
21	Background	E005	06/06/2024	Turbidity, field	3.10	NTU
42	Background	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
42	Background	E005	06/06/2024	Arsenic, total	0.0200	mg/L
42	Background	E005	06/06/2024	Barium, total	0.160	mg/L
42	Background	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
42	Background	E005	06/06/2024	Boron, total	0.700 J+	mg/L
42	Background	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
42	Background	E005	06/06/2024	Calcium, total	96.0	mg/L
42	Background	E005	06/06/2024	Chloride, total	18.0	mg/L
42	Background	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
42	Background	E005	06/06/2024	Cobalt, total	0.0004 U	mg/L
42	Background	E005	06/06/2024	Dissolved Oxygen	0.980	mg/L
42	Background	E005	06/06/2024	Fluoride, total	0.590	mg/L
42	Background	E005	06/06/2024	Lead, total	0.00019 U	mg/L
42	Background	E005	06/06/2024	Lithium, total	0.003 J	mg/L
42	Background	E005	06/06/2024	Mercury, total	0.000076 U	mg/L
42	Background	E005	06/06/2024	Molybdenum, total	0.0025 U	mg/L
42	Background	E005	06/06/2024	Oxidation Reduction Potential	42.0	mV
42	Background	E005	06/06/2024	pH (field)	7.8	SU
42	Background	E005	06/06/2024	Radium 226 + Radium 228, total	1.36	pCi/L
42	Background	E005	06/06/2024	Selenium, total	0.00098 U	mg/L

TABLE 1.
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845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
42	Background	E005	06/06/2024	Specific Conductance @ 25C (field)	1,110	micromhos/cm
42	Background	E005	06/06/2024	Sulfate, total	71.0 J	mg/L
42	Background	E005	06/06/2024	Temperature	13.1	degrees C
42	Background	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
42	Background	E005	06/06/2024	Total Dissolved Solids	570	mg/L
42	Background	E005	06/06/2024	Turbidity, field	3.10	NTU
43	Background	E005	05/09/2024	Antimony, total	0.0013 U	mg/L
43	Background	E005	05/09/2024	Arsenic, total	0.00950	mg/L
43	Background	E005	05/09/2024	Barium, total	0.400	mg/L
43	Background	E005	05/09/2024	Beryllium, total	0.00053 U	mg/L
43	Background	E005	05/09/2024	Boron, total	1.00	mg/L
43	Background	E005	05/09/2024	Cadmium, total	0.00017 U	mg/L
43	Background	E005	05/09/2024	Calcium, total	96.0	mg/L
43	Background	E005	05/09/2024	Chloride, total	61.0	mg/L
43	Background	E005	05/09/2024	Chromium, total	0.0011 U	mg/L
43	Background	E005	05/09/2024	Cobalt, total	0.0004 U	mg/L
43	Background	E005	05/09/2024	Dissolved Oxygen	2.27	mg/L
43	Background	E005	05/09/2024	Fluoride, total	0.510	mg/L
43	Background	E005	05/09/2024	Lead, total	0.0005 UJ	mg/L
43	Background	E005	05/09/2024	Lithium, total	0.0120	mg/L
43	Background	E005	05/09/2024	Mercury, total	0.000076 U	mg/L
43	Background	E005	05/09/2024	Molybdenum, total	0.0025 U	mg/L
43	Background	E005	05/09/2024	Oxidation Reduction Potential	-77.9	mV
43	Background	E005	05/09/2024	pH (field)	7.2	SU
43	Background	E005	05/09/2024	Radium 226 + Radium 228, total	0.747	pCi/L
43	Background	E005	05/09/2024	Selenium, total	0.00098 U	mg/L
43	Background	E005	05/09/2024	Specific Conductance @ 25C (field)	1,267	micromhos/cm
43	Background	E005	05/09/2024	Sulfate, total	120	mg/L
43	Background	E005	05/09/2024	Temperature	11.8	degrees C
43	Background	E005	05/09/2024	Thallium, total	0.00057 U	mg/L
43	Background	E005	05/09/2024	Total Dissolved Solids	790	mg/L
43	Background	E005	05/09/2024	Turbidity, field	21	NTU
101	Background	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
101	Background	E005	06/06/2024	Arsenic, total	0.0470	mg/L
101	Background	E005	06/06/2024	Barium, total	0.110	mg/L
101	Background	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
101	Background	E005	06/06/2024	Boron, total	2.10	mg/L
101	Background	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
101	Background	E005	06/06/2024	Calcium, total	88.0	mg/L
101	Background	E005	06/06/2024	Chloride, total	32.0	mg/L
101	Background	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
101	Background	E005	06/06/2024	Cobalt, total	0.0004 U	mg/L
101	Background	E005	06/06/2024	Dissolved Oxygen	0.550	mg/L
101	Background	E005	06/06/2024	Fluoride, total	0.670	mg/L
101	Background	E005	06/06/2024	Lead, total	0.00019 U	mg/L
101	Background	E005	06/06/2024	Lithium, total	0.0300	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
101	Background	E005	06/06/2024	Mercury, total	0.000076 U	mg/L
101	Background	E005	06/06/2024	Molybdenum, total	0.0025 U	mg/L
101	Background	E005	06/06/2024	Oxidation Reduction Potential	59.0	mV
101	Background	E005	06/06/2024	pH (field)	8.2	SU
101	Background	E005	06/06/2024	Radium 226 + Radium 228, total	0.769	pCi/L
101	Background	E005	06/06/2024	Selenium, total	0.00098 U	mg/L
101	Background	E005	06/06/2024	Specific Conductance @ 25C (field)	1,340	micromhos/cm
101	Background	E005	06/06/2024	Sulfate, total	190	mg/L
101	Background	E005	06/06/2024	Temperature	17.2	degrees C
101	Background	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
101	Background	E005	06/06/2024	Total Dissolved Solids	810	mg/L
101	Background	E005	06/06/2024	Turbidity, field	7.80	NTU
103	Background	E005	05/09/2024	Antimony, total	0.0013 U	mg/L
103	Background	E005	05/09/2024	Arsenic, total	0.00130	mg/L
103	Background	E005	05/09/2024	Barium, total	0.0150	mg/L
103	Background	E005	05/09/2024	Beryllium, total	0.00053 U	mg/L
103	Background	E005	05/09/2024	Boron, total	0.290 J+	mg/L
103	Background	E005	05/09/2024	Cadmium, total	0.00017 U	mg/L
103	Background	E005	05/09/2024	Calcium, total	210	mg/L
103	Background	E005	05/09/2024	Chloride, total	5.40	mg/L
103	Background	E005	05/09/2024	Chromium, total	0.0011 U	mg/L
103	Background	E005	05/09/2024	Cobalt, total	0.00320	mg/L
103	Background	E005	05/09/2024	Dissolved Oxygen	3.96	mg/L
103	Background	E005	05/09/2024	Fluoride, total	0.260	mg/L
103	Background	E005	05/09/2024	Lead, total	0.00019 U	mg/L
103	Background	E005	05/09/2024	Lithium, total	0.0650	mg/L
103	Background	E005	05/09/2024	Mercury, total	0.000076 U	mg/L
103	Background	E005	05/09/2024	Molybdenum, total	0.0041 J	mg/L
103	Background	E005	05/09/2024	Oxidation Reduction Potential	148	mV
103	Background	E005	05/09/2024	pH (field)	7.0	SU
103	Background	E005	05/09/2024	Radium 226 + Radium 228, total	0.0499	pCi/L
103	Background	E005	05/09/2024	Selenium, total	0.00098 U	mg/L
103	Background	E005	05/09/2024	Specific Conductance @ 25C (field)	2,000	micromhos/cm
103	Background	E005	05/09/2024	Sulfate, total	1,000	mg/L
103	Background	E005	05/09/2024	Temperature	13.3	degrees C
103	Background	E005	05/09/2024	Thallium, total	0.00057 U	mg/L
103	Background	E005	05/09/2024	Total Dissolved Solids	1,900	mg/L
103	Background	E005	05/09/2024	Turbidity, field	19.0	NTU
02	Compliance	E005	05/08/2024	Antimony, total	0.0013 U	mg/L
02	Compliance	E005	05/08/2024	Arsenic, total	0.00730	mg/L
02	Compliance	E005	05/08/2024	Barium, total	0.240	mg/L
02	Compliance	E005	05/08/2024	Beryllium, total	0.00053 U	mg/L
02	Compliance	E005	05/08/2024	Boron, total	0.350	mg/L
02	Compliance	E005	05/08/2024	Cadmium, total	0.00017 U	mg/L
02	Compliance	E005	05/08/2024	Calcium, total	110	mg/L
02	Compliance	E005	05/08/2024	Chloride, total	4.90	mg/L

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VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
02	Compliance	E005	05/08/2024	Chromium, total	0.0011 U	mg/L
02	Compliance	E005	05/08/2024	Cobalt, total	0.0004 U	mg/L
02	Compliance	E005	05/08/2024	Dissolved Oxygen	2.09	mg/L
02	Compliance	E005	05/08/2024	Fluoride, total	0.610	mg/L
02	Compliance	E005	05/08/2024	Lead, total	0.00024 J	mg/L
02	Compliance	E005	05/08/2024	Lithium, total	0.0031 J	mg/L
02	Compliance	E005	05/08/2024	Mercury, total	0.000076 U	mg/L
02	Compliance	E005	05/08/2024	Molybdenum, total	0.0025 U	mg/L
02	Compliance	E005	05/08/2024	Oxidation Reduction Potential	-63.9	mV
02	Compliance	E005	05/08/2024	pH (field)	7.8	SU
02	Compliance	E005	05/08/2024	Radium 226 + Radium 228, total	0.625	pCi/L
02	Compliance	E005	05/08/2024	Selenium, total	0.00098 U	mg/L
02	Compliance	E005	05/08/2024	Specific Conductance @ 25C (field)	1,069	micromhos/cm
02	Compliance	E005	05/08/2024	Sulfate, total	18.0	mg/L
02	Compliance	E005	05/08/2024	Temperature	14.5	degrees C
02	Compliance	E005	05/08/2024	Thallium, total	0.00057 U	mg/L
02	Compliance	E005	05/08/2024	Total Dissolved Solids	670	mg/L
02	Compliance	E005	05/08/2024	Turbidity, field	9.89	NTU
03R	Compliance	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
03R	Compliance	E005	06/06/2024	Arsenic, total	0.00460	mg/L
03R	Compliance	E005	06/06/2024	Barium, total	0.330	mg/L
03R	Compliance	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
03R	Compliance	E005	06/06/2024	Boron, total	29.0	mg/L
03R	Compliance	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
03R	Compliance	E005	06/06/2024	Calcium, total	180	mg/L
03R	Compliance	E005	06/06/2024	Chloride, total	26.0	mg/L
03R	Compliance	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
03R	Compliance	E005	06/06/2024	Cobalt, total	0.0004 U	mg/L
03R	Compliance	E005	06/06/2024	Dissolved Oxygen	6.89	mg/L
03R	Compliance	E005	06/06/2024	Fluoride, total	0.430	mg/L
03R	Compliance	E005	06/06/2024	Lead, total	0.00046 J	mg/L
03R	Compliance	E005	06/06/2024	Lithium, total	0.0046 J	mg/L
03R	Compliance	E005	06/06/2024	Mercury, total	0.000076 U	mg/L
03R	Compliance	E005	06/06/2024	Molybdenum, total	0.390	mg/L
03R	Compliance	E005	06/06/2024	Oxidation Reduction Potential	167	mV
03R	Compliance	E005	06/06/2024	pH (field)	7.0	SU
03R	Compliance	E005	06/06/2024	Radium 226 + Radium 228, total	2.06	pCi/L
03R	Compliance	E005	06/06/2024	Selenium, total	0.00098 U	mg/L
03R	Compliance	E005	06/06/2024	Specific Conductance @ 25C (field)	1,840	micromhos/cm
03R	Compliance	E005	06/06/2024	Sulfate, total	640	mg/L
03R	Compliance	E005	06/06/2024	Temperature	22.1	degrees C
03R	Compliance	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
03R	Compliance	E005	06/06/2024	Total Dissolved Solids	1,400	mg/L
03R	Compliance	E005	06/06/2024	Turbidity, field	77.2	NTU
04	Compliance	E005	05/08/2024	Antimony, total	0.0013 U	mg/L
04	Compliance	E005	05/08/2024	Arsenic, total	0.00600	mg/L

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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
04	Compliance	E005	05/08/2024	Barium, total	0.200	mg/L
04	Compliance	E005	05/08/2024	Beryllium, total	0.00053 U	mg/L
04	Compliance	E005	05/08/2024	Boron, total	8.00	mg/L
04	Compliance	E005	05/08/2024	Cadmium, total	0.00017 U	mg/L
04	Compliance	E005	05/08/2024	Calcium, total	63.0	mg/L
04	Compliance	E005	05/08/2024	Chloride, total	9.50	mg/L
04	Compliance	E005	05/08/2024	Chromium, total	0.0011 U	mg/L
04	Compliance	E005	05/08/2024	Cobalt, total	0.00047 J	mg/L
04	Compliance	E005	05/08/2024	Dissolved Oxygen	0.200	mg/L
04	Compliance	E005	05/08/2024	Fluoride, total	0.350	mg/L
04	Compliance	E005	05/08/2024	Lead, total	0.00019 U	mg/L
04	Compliance	E005	05/08/2024	Lithium, total	0.0440	mg/L
04	Compliance	E005	05/08/2024	Mercury, total	0.000076 U	mg/L
04	Compliance	E005	05/08/2024	Molybdenum, total	0.0370	mg/L
04	Compliance	E005	05/08/2024	Oxidation Reduction Potential	-140	mV
04	Compliance	E005	05/08/2024	pH (field)	7.7	SU
04	Compliance	E005	05/08/2024	Radium 226 + Radium 228, total	1.23	pCi/L
04	Compliance	E005	05/08/2024	Selenium, total	0.00098 U	mg/L
04	Compliance	E005	05/08/2024	Specific Conductance @ 25C (field)	545	micromhos/cm
04	Compliance	E005	05/08/2024	Sulfate, total	25.0	mg/L
04	Compliance	E005	05/08/2024	Temperature	12.6	degrees C
04	Compliance	E005	05/08/2024	Thallium, total	0.00057 U	mg/L
04	Compliance	E005	05/08/2024	Total Dissolved Solids	350	mg/L
04	Compliance	E005	05/08/2024	Turbidity, field	3.62	NTU
05	Compliance	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
05	Compliance	E005	06/06/2024	Arsenic, total	0.00029 J	mg/L
05	Compliance	E005	06/06/2024	Barium, total	0.0280	mg/L
05	Compliance	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
05	Compliance	E005	06/06/2024	Boron, total	17.0	mg/L
05	Compliance	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
05	Compliance	E005	06/06/2024	Calcium, total	120	mg/L
05	Compliance	E005	06/06/2024	Chloride, total	8.00	mg/L
05	Compliance	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
05	Compliance	E005	06/06/2024	Cobalt, total	0.00073 J	mg/L
05	Compliance	E005	06/06/2024	Dissolved Oxygen	4.12	mg/L
05	Compliance	E005	06/06/2024	Fluoride, total	0.610	mg/L
05	Compliance	E005	06/06/2024	Lead, total	0.00019 J	mg/L
05	Compliance	E005	06/06/2024	Lithium, total	0.0960	mg/L
05	Compliance	E005	06/06/2024	Mercury, total	0.000076 U	mg/L
05	Compliance	E005	06/06/2024	Molybdenum, total	0.0420	mg/L
05	Compliance	E005	06/06/2024	Oxidation Reduction Potential	187	mV
05	Compliance	E005	06/06/2024	pH (field)	7.8	SU
05	Compliance	E005	06/06/2024	Radium 226 + Radium 228, total	0.133	pCi/L
05	Compliance	E005	06/06/2024	Selenium, total	0.00098 U	mg/L
05	Compliance	E005	06/06/2024	Specific Conductance @ 25C (field)	851	micromhos/cm
05	Compliance	E005	06/06/2024	Sulfate, total	250	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
05	Compliance	E005	06/06/2024	Temperature	14	degrees C
05	Compliance	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
05	Compliance	E005	06/06/2024	Total Dissolved Solids	560	mg/L
05	Compliance	E005	06/06/2024	Turbidity, field	39.1	NTU
07R	Compliance	E005	05/07/2024	Antimony, total	0.0013 U	mg/L
07R	Compliance	E005	05/07/2024	Arsenic, total	0.00110	mg/L
07R	Compliance	E005	05/07/2024	Barium, total	0.0160	mg/L
07R	Compliance	E005	05/07/2024	Beryllium, total	0.00053 U	mg/L
07R	Compliance	E005	05/07/2024	Boron, total	45.0	mg/L
07R	Compliance	E005	05/07/2024	Cadmium, total	0.00017 U	mg/L
07R	Compliance	E005	05/07/2024	Calcium, total	680	mg/L
07R	Compliance	E005	05/07/2024	Chloride, total	4.00	mg/L
07R	Compliance	E005	05/07/2024	Chromium, total	0.0011 U	mg/L
07R	Compliance	E005	05/07/2024	Cobalt, total	0.0004 U	mg/L
07R	Compliance	E005	05/07/2024	Dissolved Oxygen	1.01	mg/L
07R	Compliance	E005	05/07/2024	Fluoride, total	0.110	mg/L
07R	Compliance	E005	05/07/2024	Lead, total	0.00019 U	mg/L
07R	Compliance	E005	05/07/2024	Lithium, total	0.630	mg/L
07R	Compliance	E005	05/07/2024	Mercury, total	0.000076 U	mg/L
07R	Compliance	E005	05/07/2024	Molybdenum, total	0.440	mg/L
07R	Compliance	E005	05/07/2024	Oxidation Reduction Potential	-31.4	mV
07R	Compliance	E005	05/07/2024	pH (field)	7.4	SU
07R	Compliance	E005	05/07/2024	Radium 226 + Radium 228, total	0.0984	pCi/L
07R	Compliance	E005	05/07/2024	Selenium, total	0.0150	mg/L
07R	Compliance	E005	05/07/2024	Specific Conductance @ 25C (field)	2,694	micromhos/cm
07R	Compliance	E005	05/07/2024	Sulfate, total	1,900	mg/L
07R	Compliance	E005	05/07/2024	Temperature	15.0	degrees C
07R	Compliance	E005	05/07/2024	Thallium, total	0.00057 U	mg/L
07R	Compliance	E005	05/07/2024	Total Dissolved Solids	3,100	mg/L
07R	Compliance	E005	05/07/2024	Turbidity, field	7.52	NTU
08R	Compliance	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
08R	Compliance	E005	06/06/2024	Arsenic, total	0.0330	mg/L
08R	Compliance	E005	06/06/2024	Barium, total	0.0680	mg/L
08R	Compliance	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
08R	Compliance	E005	06/06/2024	Boron, total	35.0	mg/L
08R	Compliance	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
08R	Compliance	E005	06/06/2024	Calcium, total	270	mg/L
08R	Compliance	E005	06/06/2024	Chloride, total	5.70	mg/L
08R	Compliance	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
08R	Compliance	E005	06/06/2024	Cobalt, total	0.0004 U	mg/L
08R	Compliance	E005	06/06/2024	Dissolved Oxygen	4.84	mg/L
08R	Compliance	E005	06/06/2024	Fluoride, total	0.06 J	mg/L
08R	Compliance	E005	06/06/2024	Lead, total	0.00019 U	mg/L
08R	Compliance	E005	06/06/2024	Lithium, total	0.370	mg/L
08R	Compliance	E005	06/06/2024	Mercury, total	0.000076 U	mg/L
08R	Compliance	E005	06/06/2024	Molybdenum, total	0.340	mg/L

TABLE 1.
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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
08R	Compliance	E005	06/06/2024	Oxidation Reduction Potential	132	mV
08R	Compliance	E005	06/06/2024	pH (field)	7.5	SU
08R	Compliance	E005	06/06/2024	Radium 226 + Radium 228, total	0.395	pCi/L
08R	Compliance	E005	06/06/2024	Selenium, total	0.00098 U	mg/L
08R	Compliance	E005	06/06/2024	Specific Conductance @ 25C (field)	981	micromhos/cm
08R	Compliance	E005	06/06/2024	Sulfate, total	760	mg/L
08R	Compliance	E005	06/06/2024	Temperature	13.4	degrees C
08R	Compliance	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
08R	Compliance	E005	06/06/2024	Total Dissolved Solids	1,300	mg/L
08R	Compliance	E005	06/06/2024	Turbidity, field	67.6	NTU
17	Compliance	E005	05/07/2024	Antimony, total	0.0013 U	mg/L
17	Compliance	E005	05/09/2024	Antimony, total	--	mg/L
17	Compliance	E005	05/07/2024	Arsenic, total	0.00027 J	mg/L
17	Compliance	E005	05/09/2024	Arsenic, total	--	mg/L
17	Compliance	E005	05/07/2024	Barium, total	0.0240	mg/L
17	Compliance	E005	05/09/2024	Barium, total	--	mg/L
17	Compliance	E005	05/07/2024	Beryllium, total	0.00053 U	mg/L
17	Compliance	E005	05/09/2024	Beryllium, total	--	mg/L
17	Compliance	E005	05/07/2024	Boron, total	3.10	mg/L
17	Compliance	E005	05/09/2024	Boron, total	--	mg/L
17	Compliance	E005	05/07/2024	Cadmium, total	0.00017 U	mg/L
17	Compliance	E005	05/09/2024	Cadmium, total	--	mg/L
17	Compliance	E005	05/07/2024	Calcium, total	380	mg/L
17	Compliance	E005	05/09/2024	Calcium, total	--	mg/L
17	Compliance	E005	05/07/2024	Chloride, total	--	mg/L
17	Compliance	E005	05/09/2024	Chloride, total	23.0	mg/L
17	Compliance	E005	05/07/2024	Chromium, total	0.0011 U	mg/L
17	Compliance	E005	05/09/2024	Chromium, total	--	mg/L
17	Compliance	E005	05/07/2024	Cobalt, total	0.0004 J	mg/L
17	Compliance	E005	05/09/2024	Cobalt, total	--	mg/L
17	Compliance	E005	05/07/2024	Dissolved Oxygen	3.37	mg/L
17	Compliance	E005	05/09/2024	Dissolved Oxygen	--	mg/L
17	Compliance	E005	05/07/2024	Fluoride, total	--	mg/L
17	Compliance	E005	05/09/2024	Fluoride, total	0.190	mg/L
17	Compliance	E005	05/07/2024	Lead, total	0.00019 U	mg/L
17	Compliance	E005	05/09/2024	Lead, total	--	mg/L
17	Compliance	E005	05/07/2024	Lithium, total	0.0500	mg/L
17	Compliance	E005	05/09/2024	Lithium, total	--	mg/L
17	Compliance	E005	05/07/2024	Mercury, total	0.000076 U	mg/L
17	Compliance	E005	05/09/2024	Mercury, total	--	mg/L
17	Compliance	E005	05/07/2024	Molybdenum, total	0.0026 J	mg/L
17	Compliance	E005	05/09/2024	Molybdenum, total	--	mg/L
17	Compliance	E005	05/07/2024	Oxidation Reduction Potential	87.1	mV
17	Compliance	E005	05/09/2024	Oxidation Reduction Potential	--	mV
17	Compliance	E005	05/07/2024	pH (field)	6.6	SU
17	Compliance	E005	05/09/2024	pH (field)	--	SU

TABLE 1.
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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
17	Compliance	E005	05/07/2024	Radium 226 + Radium 228, total	--	pCi/L
17	Compliance	E005	05/09/2024	Radium 226 + Radium 228, total	0.26	pCi/L
17	Compliance	E005	05/07/2024	Selenium, total	0.00098 U	mg/L
17	Compliance	E005	05/09/2024	Selenium, total	--	mg/L
17	Compliance	E005	05/07/2024	Specific Conductance @ 25C (field)	2,017	micromhos/cm
17	Compliance	E005	05/09/2024	Specific Conductance @ 25C (field)	--	micromhos/cm
17	Compliance	E005	05/07/2024	Sulfate, total	--	mg/L
17	Compliance	E005	05/09/2024	Sulfate, total	990	mg/L
17	Compliance	E005	05/07/2024	Temperature	13.4	degrees C
17	Compliance	E005	05/09/2024	Temperature	--	degrees C
17	Compliance	E005	05/07/2024	Thallium, total	0.0013 J	mg/L
17	Compliance	E005	05/09/2024	Thallium, total	--	mg/L
17	Compliance	E005	05/07/2024	Total Dissolved Solids	--	mg/L
17	Compliance	E005	05/09/2024	Total Dissolved Solids	2,000	mg/L
17	Compliance	E005	05/07/2024	Turbidity, field	20.9	NTU
17	Compliance	E005	05/09/2024	Turbidity, field	--	NTU
20	Compliance	E005	06/06/2024	Antimony, total	0.0013 U	mg/L
20	Compliance	E005	06/06/2024	Arsenic, total	0.0005 J	mg/L
20	Compliance	E005	06/06/2024	Barium, total	0.0200	mg/L
20	Compliance	E005	06/06/2024	Beryllium, total	0.00053 U	mg/L
20	Compliance	E005	06/06/2024	Boron, total	1.90	mg/L
20	Compliance	E005	06/06/2024	Cadmium, total	0.00017 U	mg/L
20	Compliance	E005	06/06/2024	Calcium, total	96.0	mg/L
20	Compliance	E005	06/06/2024	Chloride, total	4.00	mg/L
20	Compliance	E005	06/06/2024	Chromium, total	0.0011 U	mg/L
20	Compliance	E005	06/06/2024	Cobalt, total	0.0004 U	mg/L
20	Compliance	E005	06/06/2024	Dissolved Oxygen	1.18	mg/L
20	Compliance	E005	06/06/2024	Fluoride, total	0.075 J	mg/L
20	Compliance	E005	06/06/2024	Lead, total	0.00019 U	mg/L
20	Compliance	E005	06/06/2024	Lithium, total	0.0230	mg/L
20	Compliance	E005	06/06/2024	Mercury, total	0.00014 J	mg/L
20	Compliance	E005	06/06/2024	Molybdenum, total	0.0025 U	mg/L
20	Compliance	E005	06/06/2024	Oxidation Reduction Potential	181	mV
20	Compliance	E005	06/06/2024	pH (field)	7.6	SU
20	Compliance	E005	06/06/2024	Radium 226 + Radium 228, total	0.552	pCi/L
20	Compliance	E005	06/06/2024	Selenium, total	0.00098 U	mg/L
20	Compliance	E005	06/06/2024	Specific Conductance @ 25C (field)	736	micromhos/cm
20	Compliance	E005	06/06/2024	Sulfate, total	85.0	mg/L
20	Compliance	E005	06/06/2024	Temperature	17.9	degrees C
20	Compliance	E005	06/06/2024	Thallium, total	0.00057 U	mg/L
20	Compliance	E005	06/06/2024	Total Dissolved Solids	520	mg/L
20	Compliance	E005	06/06/2024	Turbidity, field	35.9	NTU
34	Compliance	E005	05/07/2024	Antimony, total	0.0013 U	mg/L
34	Compliance	E005	05/07/2024	Arsenic, total	0.0240	mg/L
34	Compliance	E005	05/07/2024	Barium, total	0.150	mg/L
34	Compliance	E005	05/07/2024	Beryllium, total	0.00053 U	mg/L

TABLE 1.
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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
34	Compliance	E005	05/07/2024	Boron, total	0.540	mg/L
34	Compliance	E005	05/07/2024	Cadmium, total	0.00017 U	mg/L
34	Compliance	E005	05/07/2024	Calcium, total	73.0	mg/L
34	Compliance	E005	05/07/2024	Chloride, total	32.0	mg/L
34	Compliance	E005	05/07/2024	Chromium, total	0.0011 U	mg/L
34	Compliance	E005	05/07/2024	Cobalt, total	0.0004 U	mg/L
34	Compliance	E005	05/07/2024	Dissolved Oxygen	0.470	mg/L
34	Compliance	E005	05/07/2024	Fluoride, total	0.630	mg/L
34	Compliance	E005	05/07/2024	Lead, total	0.00019 U	mg/L
34	Compliance	E005	05/07/2024	Lithium, total	0.002 U	mg/L
34	Compliance	E005	05/07/2024	Mercury, total	0.000076 U	mg/L
34	Compliance	E005	05/07/2024	Molybdenum, total	0.0025 U	mg/L
34	Compliance	E005	05/07/2024	Oxidation Reduction Potential	-96.1	mV
34	Compliance	E005	05/07/2024	pH (field)	7.2	SU
34	Compliance	E005	05/07/2024	Radium 226 + Radium 228, total	0.963	pCi/L
34	Compliance	E005	05/07/2024	Selenium, total	0.00098 U	mg/L
34	Compliance	E005	05/07/2024	Specific Conductance @ 25C (field)	909	micromhos/cm
34	Compliance	E005	05/07/2024	Sulfate, total	0.26 J	mg/L
34	Compliance	E005	05/07/2024	Temperature	12.2	degrees C
34	Compliance	E005	05/07/2024	Thallium, total	0.00057 U	mg/L
34	Compliance	E005	05/07/2024	Total Dissolved Solids	530	mg/L
34	Compliance	E005	05/07/2024	Turbidity, field	67.4	NTU
36	Compliance	E005	05/08/2024	Antimony, total	0.0013 U	mg/L
36	Compliance	E005	05/08/2024	Arsenic, total	0.00300	mg/L
36	Compliance	E005	05/08/2024	Barium, total	0.0600	mg/L
36	Compliance	E005	05/08/2024	Beryllium, total	0.00053 U	mg/L
36	Compliance	E005	05/08/2024	Boron, total	15.0	mg/L
36	Compliance	E005	05/08/2024	Cadmium, total	0.00017 U	mg/L
36	Compliance	E005	05/08/2024	Calcium, total	390	mg/L
36	Compliance	E005	05/08/2024	Chloride, total	11.0	mg/L
36	Compliance	E005	05/08/2024	Chromium, total	0.0011 U	mg/L
36	Compliance	E005	05/08/2024	Cobalt, total	0.00046 J	mg/L
36	Compliance	E005	05/08/2024	Dissolved Oxygen	0.0500	mg/L
36	Compliance	E005	05/08/2024	Fluoride, total	0.260	mg/L
36	Compliance	E005	05/08/2024	Lead, total	0.00019 U	mg/L
36	Compliance	E005	05/08/2024	Lithium, total	0.290	mg/L
36	Compliance	E005	05/08/2024	Mercury, total	0.000076 U	mg/L
36	Compliance	E005	05/08/2024	Molybdenum, total	0.220	mg/L
36	Compliance	E005	05/08/2024	Oxidation Reduction Potential	-74.7	mV
36	Compliance	E005	05/08/2024	pH (field)	7.4	SU
36	Compliance	E005	05/08/2024	Radium 226 + Radium 228, total	1.04	pCi/L
36	Compliance	E005	05/08/2024	Selenium, total	0.00098 U	mg/L
36	Compliance	E005	05/08/2024	Specific Conductance @ 25C (field)	1,855	micromhos/cm
36	Compliance	E005	05/08/2024	Sulfate, total	1,100	mg/L
36	Compliance	E005	05/08/2024	Temperature	11.7	degrees C
36	Compliance	E005	05/08/2024	Thallium, total	0.00057 U	mg/L

TABLE 1.
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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
36	Compliance	E005	05/08/2024	Total Dissolved Solids	1,800	mg/L
36	Compliance	E005	05/08/2024	Turbidity, field	11.7	NTU
37	Compliance	E005	05/08/2024	Antimony, total	0.0013 U	mg/L
37	Compliance	E005	05/08/2024	Arsenic, total	0.0370	mg/L
37	Compliance	E005	05/08/2024	Barium, total	0.330	mg/L
37	Compliance	E005	05/08/2024	Beryllium, total	0.00053 U	mg/L
37	Compliance	E005	05/08/2024	Boron, total	1.90	mg/L
37	Compliance	E005	05/08/2024	Cadmium, total	0.00017 U	mg/L
37	Compliance	E005	05/08/2024	Calcium, total	120	mg/L
37	Compliance	E005	05/08/2024	Chloride, total	42.0	mg/L
37	Compliance	E005	05/08/2024	Chromium, total	0.0011 U	mg/L
37	Compliance	E005	05/08/2024	Cobalt, total	0.0004 U	mg/L
37	Compliance	E005	05/08/2024	Dissolved Oxygen	0.0900	mg/L
37	Compliance	E005	05/08/2024	Fluoride, total	0.620	mg/L
37	Compliance	E005	05/08/2024	Lead, total	0.00032 J	mg/L
37	Compliance	E005	05/08/2024	Lithium, total	0.0028 J	mg/L
37	Compliance	E005	05/08/2024	Mercury, total	0.000076 U	mg/L
37	Compliance	E005	05/08/2024	Molybdenum, total	0.0025 U	mg/L
37	Compliance	E005	05/08/2024	Oxidation Reduction Potential	-111	mV
37	Compliance	E005	05/08/2024	pH (field)	7.0	SU
37	Compliance	E005	05/08/2024	Radium 226 + Radium 228, total	2.28	pCi/L
37	Compliance	E005	05/08/2024	Selenium, total	0.00098 U	mg/L
37	Compliance	E005	05/08/2024	Specific Conductance @ 25C (field)	1,339	micromhos/cm
37	Compliance	E005	05/08/2024	Sulfate, total	310	mg/L
37	Compliance	E005	05/08/2024	Temperature	12.9	degrees C
37	Compliance	E005	05/08/2024	Thallium, total	0.00057 U	mg/L
37	Compliance	E005	05/08/2024	Total Dissolved Solids	950	mg/L
37	Compliance	E005	05/08/2024	Turbidity, field	12.7	NTU
38	Compliance	E005	05/08/2024	Antimony, total	0.0013 U	mg/L
38	Compliance	E005	05/08/2024	Arsenic, total	0.0290	mg/L
38	Compliance	E005	05/08/2024	Barium, total	0.200	mg/L
38	Compliance	E005	05/08/2024	Beryllium, total	0.00053 U	mg/L
38	Compliance	E005	05/08/2024	Boron, total	0.480	mg/L
38	Compliance	E005	05/08/2024	Cadmium, total	0.00017 U	mg/L
38	Compliance	E005	05/08/2024	Calcium, total	75.0	mg/L
38	Compliance	E005	05/08/2024	Chloride, total	16.0	mg/L
38	Compliance	E005	05/08/2024	Chromium, total	0.0011 U	mg/L
38	Compliance	E005	05/08/2024	Cobalt, total	0.0004 U	mg/L
38	Compliance	E005	05/08/2024	Dissolved Oxygen	1.60	mg/L
38	Compliance	E005	05/08/2024	Fluoride, total	0.390	mg/L
38	Compliance	E005	05/08/2024	Lead, total	0.00019 J	mg/L
38	Compliance	E005	05/08/2024	Lithium, total	0.003 J	mg/L
38	Compliance	E005	05/08/2024	Mercury, total	0.000076 U	mg/L
38	Compliance	E005	05/08/2024	Molybdenum, total	0.0025 U	mg/L
38	Compliance	E005	05/08/2024	Oxidation Reduction Potential	-107	mV
38	Compliance	E005	05/08/2024	pH (field)	7.1	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
38	Compliance	E005	05/08/2024	Radium 226 + Radium 228, total	1.41	pCi/L
38	Compliance	E005	05/08/2024	Selenium, total	0.00098 U	mg/L
38	Compliance	E005	05/08/2024	Specific Conductance @ 25C (field)	957	micromhos/cm
38	Compliance	E005	05/08/2024	Sulfate, total	0.84 J	mg/L
38	Compliance	E005	05/08/2024	Temperature	12.4	degrees C
38	Compliance	E005	05/08/2024	Thallium, total	0.00057 U	mg/L
38	Compliance	E005	05/08/2024	Total Dissolved Solids	530	mg/L
38	Compliance	E005	05/08/2024	Turbidity, field	22.5	NTU
40	Compliance	E005	05/07/2024	Antimony, total	0.0013 U	mg/L
40	Compliance	E005	05/07/2024	Arsenic, total	0.0180	mg/L
40	Compliance	E005	05/07/2024	Barium, total	0.0270	mg/L
40	Compliance	E005	05/07/2024	Beryllium, total	0.00053 U	mg/L
40	Compliance	E005	05/07/2024	Boron, total	21.0	mg/L
40	Compliance	E005	05/07/2024	Cadmium, total	0.00017 U	mg/L
40	Compliance	E005	05/07/2024	Calcium, total	660	mg/L
40	Compliance	E005	05/07/2024	Chloride, total	11.0	mg/L
40	Compliance	E005	05/07/2024	Chromium, total	0.0011 U	mg/L
40	Compliance	E005	05/07/2024	Cobalt, total	0.00580	mg/L
40	Compliance	E005	05/07/2024	Dissolved Oxygen	0.190	mg/L
40	Compliance	E005	05/07/2024	Fluoride, total	0.056 U	mg/L
40	Compliance	E005	05/07/2024	Lead, total	0.00025 J	mg/L
40	Compliance	E005	05/07/2024	Lithium, total	0.840	mg/L
40	Compliance	E005	05/07/2024	Mercury, total	0.000076 U	mg/L
40	Compliance	E005	05/07/2024	Molybdenum, total	0.0570	mg/L
40	Compliance	E005	05/07/2024	Oxidation Reduction Potential	-76.0	mV
40	Compliance	E005	05/07/2024	pH (field)	6.5	SU
40	Compliance	E005	05/07/2024	Radium 226 + Radium 228, total	0.91	pCi/L
40	Compliance	E005	05/07/2024	Selenium, total	0.00098 U	mg/L
40	Compliance	E005	05/07/2024	Specific Conductance @ 25C (field)	3,796	micromhos/cm
40	Compliance	E005	05/07/2024	Sulfate, total	3,000	mg/L
40	Compliance	E005	05/07/2024	Temperature	15.2	degrees C
40	Compliance	E005	05/07/2024	Thallium, total	0.00057 U	mg/L
40	Compliance	E005	05/07/2024	Total Dissolved Solids	4,700 J	mg/L
40	Compliance	E005	05/07/2024	Turbidity, field	2.77	NTU
41	Compliance	E005	05/08/2024	Antimony, total	0.0013 U	mg/L
41	Compliance	E005	05/08/2024	Arsenic, total	0.0130	mg/L
41	Compliance	E005	05/08/2024	Barium, total	0.230	mg/L
41	Compliance	E005	05/08/2024	Beryllium, total	0.00053 U	mg/L
41	Compliance	E005	05/08/2024	Boron, total	3.10	mg/L
41	Compliance	E005	05/08/2024	Cadmium, total	0.00017 U	mg/L
41	Compliance	E005	05/08/2024	Calcium, total	83.0	mg/L
41	Compliance	E005	05/08/2024	Chloride, total	49.0	mg/L
41	Compliance	E005	05/08/2024	Chromium, total	0.0013 J	mg/L
41	Compliance	E005	05/08/2024	Cobalt, total	0.00046 J	mg/L
41	Compliance	E005	05/08/2024	Dissolved Oxygen	0.120	mg/L
41	Compliance	E005	05/08/2024	Fluoride, total	0.420	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
41	Compliance	E005	05/08/2024	Lead, total	0.00034 J	mg/L
41	Compliance	E005	05/08/2024	Lithium, total	0.0047 J	mg/L
41	Compliance	E005	05/08/2024	Mercury, total	0.000076 U	mg/L
41	Compliance	E005	05/08/2024	Molybdenum, total	0.0025 U	mg/L
41	Compliance	E005	05/08/2024	Oxidation Reduction Potential	-112	mV
41	Compliance	E005	05/08/2024	pH (field)	7.2	SU
41	Compliance	E005	05/08/2024	Radium 226 + Radium 228, total	1.55	pCi/L
41	Compliance	E005	05/08/2024	Selenium, total	0.00098 U	mg/L
41	Compliance	E005	05/08/2024	Specific Conductance @ 25C (field)	1,128	micromhos/cm
41	Compliance	E005	05/08/2024	Sulfate, total	0.27 J	mg/L
41	Compliance	E005	05/08/2024	Temperature	14.0	degrees C
41	Compliance	E005	05/08/2024	Thallium, total	0.00057 U	mg/L
41	Compliance	E005	05/08/2024	Total Dissolved Solids	660	mg/L
41	Compliance	E005	05/08/2024	Turbidity, field	24.6	NTU

Notes:
1. Monitoring well 17 went dry during sampling initiated on 05/07/2024. The sampling team revisited well 17 on 05/09/2024 to complete sample collection.
– = no data available
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
02	LGU	E005	Antimony, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
02	LGU	E005	Arsenic, total	mg/L	03/31/21 - 05/08/24	13	8	CI around mean	0.00573	0.0600	Background	No Exceedance
02	LGU	E005	Barium, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.196	2.0	Standard	No Exceedance
02	LGU	E005	Beryllium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
02	LGU	E005	Boron, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.309	2.45	Background	No Exceedance
02	LGU	E005	Cadmium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
02	LGU	E005	Chloride, total	mg/L	03/31/21 - 05/08/24	13	0	CI around median	35	200	Standard	No Exceedance
02	LGU	E005	Chromium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
02	LGU	E005	Cobalt, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
02	LGU	E005	Fluoride, total	mg/L	03/31/21 - 05/08/24	13	8	CB around linear reg	0.52	4.0	Standard	No Exceedance
02	LGU	E005	Lead, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
02	LGU	E005	Lithium, total	mg/L	03/31/21 - 05/08/24	13	54	CI around median	0.0034	0.04	Standard	No Exceedance
02	LGU	E005	Mercury, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
02	LGU	E005	Molybdenum, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
02	LGU	E005	pH (field)	SU	03/31/21 - 05/08/24	13	0	CI around mean	7.4/7.8	6.5/9.0	Standard/Standard	No Exceedance
02	LGU	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/08/24	12	0	CI around mean	0.5	5	Standard	No Exceedance
02	LGU	E005	Selenium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
02	LGU	E005	Sulfate, total	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	-13.2	400	Standard	No Exceedance
02	LGU	E005	Thallium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
02	LGU	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	562	1,200	Standard	No Exceedance
03R	LGU	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
03R	LGU	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.00485	0.0600	Background	No Exceedance
03R	LGU	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.289	2.0	Standard	No Exceedance
03R	LGU	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
03R	LGU	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	26	2.45	Background	Exceedance
03R	LGU	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	77	CI around median	0.00051	0.005	Standard	No Exceedance
03R	LGU	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	2	CI around mean	26	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
03R	LGU	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.0015	0.1	Standard	No Exceedance
03R	LGU	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
03R	LGU	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	8	CI around mean	0.445	4.0	Standard	No Exceedance
03R	LGU	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	62	CI around median	0.001	0.0075	Standard	No Exceedance
03R	LGU	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	92	CB around T-S line	0.003	0.04	Standard	No Exceedance
03R	LGU	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
03R	LGU	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	0.313	0.1	Standard	Exceedance
03R	LGU	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CI around mean	7.2/7.4	6.5/9.0	Standard/Standard	No Exceedance
03R	LGU	E005	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/06/24	11	0	CI around mean	0.999	5	Standard	No Exceedance
03R	LGU	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
03R	LGU	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	486	400	Standard	Exceedance
03R	LGU	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
03R	LGU	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	1,090	1,200	Standard	No Exceedance
04	UA	E005	Antimony, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
04	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/08/24	13	8	CI around geomean	0.00547	0.0600	Background	No Exceedance
04	UA	E005	Barium, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	0.221	2.0	Standard	No Exceedance
04	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
04	UA	E005	Boron, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	8.35	2.45	Background	Exceedance
04	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
04	UA	E005	Chloride, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	10.3	200	Standard	No Exceedance
04	UA	E005	Chromium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
04	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/08/24	13	92	Most recent sample	0.001	0.006	Standard	No Exceedance
04	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/08/24	13	8	CI around median	0.3	4.0	Standard	No Exceedance
04	UA	E005	Lead, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
04	UA	E005	Lithium, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.0389	0.04	Standard	No Exceedance
04	UA	E005	Mercury, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
04	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.033	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
04	UA	E005	pH (field)	SU	03/30/21 - 05/08/24	13	0	CI around mean	7.4/7.6	6.5/9.0	Standard/Standard	No Exceedance
04	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 05/08/24	11	0	CI around mean	0.7	5	Standard	No Exceedance
04	UA	E005	Selenium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
04	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	35.5	400	Standard	No Exceedance
04	UA	E005	Thallium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
04	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	363	1,200	Standard	No Exceedance
05	UA	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
05	UA	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.0600	Background	No Exceedance
05	UA	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0222	2.0	Standard	No Exceedance
05	UA	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
05	UA	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	18.4	2.45	Background	Exceedance
05	UA	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
05	UA	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	2	CI around mean	7.59	200	Standard	No Exceedance
05	UA	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
05	UA	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
05	UA	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	8	CB around linear reg	0.549	4.0	Standard	No Exceedance
05	UA	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
05	UA	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0858	0.04	Standard	Exceedance
05	UA	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
05	UA	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	0.0402	0.1	Standard	No Exceedance
05	UA	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CB around linear reg	7.4/7.8	6.5/9.0	Standard/Standard	No Exceedance
05	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/06/24	11	0	CI around geomean	0.0916	5	Standard	No Exceedance
05	UA	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
05	UA	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	224	400	Standard	No Exceedance
05	UA	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
05	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	531	1,200	Standard	No Exceedance
07R	UA	E005	Antimony, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
07R	UA	E005	Arsenic, total	mg/L	05/12/21 - 05/07/24	9	11	CI around median	0.0011	0.0600	Background	No Exceedance
07R	UA	E005	Barium, total	mg/L	05/12/21 - 05/07/24	9	0	CI around median	0.0176	2.0	Standard	No Exceedance
07R	UA	E005	Beryllium, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.001	0.004	Standard	No Exceedance
07R	UA	E005	Boron, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	34.8	2.45	Background	Exceedance
07R	UA	E005	Cadmium, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.0005	0.005	Standard	No Exceedance
07R	UA	E005	Chloride, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	4.38	200	Standard	No Exceedance
07R	UA	E005	Chromium, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.0015	0.1	Standard	No Exceedance
07R	UA	E005	Cobalt, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.001	0.006	Standard	No Exceedance
07R	UA	E005	Fluoride, total	mg/L	05/12/21 - 05/07/24	9	11	CI around mean	0.0916	4.0	Standard	No Exceedance
07R	UA	E005	Lead, total	mg/L	05/12/21 - 05/07/24	9	67	CI around median	0.0005	0.0075	Standard	No Exceedance
07R	UA	E005	Lithium, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	0.54	0.04	Standard	Exceedance
07R	UA	E005	Mercury, total	mg/L	05/12/21 - 05/07/24	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
07R	UA	E005	Molybdenum, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	0.373	0.1	Standard	Exceedance
07R	UA	E005	pH (field)	SU	05/12/21 - 05/07/24	9	0	CI around mean	7.3/7.7	6.5/9.0	Standard/Standard	No Exceedance
07R	UA	E005	Radium 226 + Radium 228, total	pCi/L	05/12/21 - 05/07/24	9	0	CI around geomean	0.206	5	Standard	No Exceedance
07R	UA	E005	Selenium, total	mg/L	05/12/21 - 05/07/24	9	22	CI around mean	0.0015	0.05	Standard	No Exceedance
07R	UA	E005	Sulfate, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	1,770	400	Standard	Exceedance
07R	UA	E005	Thallium, total	mg/L	05/12/21 - 05/07/24	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
07R	UA	E005	Total Dissolved Solids	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	2,870	1,200	Standard	Exceedance
08R	UA	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
08R	UA	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	0.0265	0.0600	Background	No Exceedance
08R	UA	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0563	2.0	Standard	No Exceedance
08R	UA	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
08R	UA	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	29.8	2.45	Background	Exceedance
08R	UA	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
08R	UA	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	5.7	200	Standard	No Exceedance
08R	UA	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
08R	UA	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
08R	UA	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	77	CI around median	0.1	4.0	Standard	No Exceedance
08R	UA	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
08R	UA	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	0.288	0.04	Standard	Exceedance
08R	UA	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
08R	UA	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.187	0.1	Standard	Exceedance
08R	UA	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CI around mean	7.1/7.9	6.5/9.0	Standard/Standard	No Exceedance
08R	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/06/24	11	0	CI around mean	0.389	5	Standard	No Exceedance
08R	UA	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
08R	UA	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	550	400	Standard	Exceedance
08R	UA	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
08R	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	1,080	1,200	Standard	No Exceedance
17	UA	E005	Antimony, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
17	UA	E005	Arsenic, total	mg/L	03/31/21 - 05/07/24	9	22	CI around mean	0.00284	0.0600	Background	No Exceedance
17	UA	E005	Barium, total	mg/L	03/31/21 - 05/07/24	9	0	CI around mean	0.025	2.0	Standard	No Exceedance
17	UA	E005	Beryllium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
17	UA	E005	Boron, total	mg/L	03/31/21 - 05/07/24	9	0	CI around mean	3.03	2.45	Background	Exceedance
17	UA	E005	Cadmium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
17	UA	E005	Chloride, total	mg/L	03/31/21 - 05/09/24	9	0	CI around mean	15.3	200	Standard	No Exceedance
17	UA	E005	Chromium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.005	0.1	Standard	No Exceedance
17	UA	E005	Cobalt, total	mg/L	03/31/21 - 05/07/24	9	22	CI around mean	0.00133	0.006	Standard	No Exceedance
17	UA	E005	Fluoride, total	mg/L	03/31/21 - 05/09/24	9	11	CI around geomean	0.143	4.0	Standard	No Exceedance
17	UA	E005	Lead, total	mg/L	03/31/21 - 05/07/24	9	67	CI around median	0.0005	0.0075	Standard	No Exceedance
17	UA	E005	Lithium, total	mg/L	03/31/21 - 05/07/24	9	0	CI around mean	0.0191	0.04	Standard	No Exceedance
17	UA	E005	Mercury, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
17	UA	E005	Molybdenum, total	mg/L	03/31/21 - 05/07/24	9	44	CI around mean	0.00172	0.1	Standard	No Exceedance
17	UA	E005	pH (field)	SU	03/31/21 - 05/07/24	9	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
17	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/09/24	8	0	CI around mean	0.158	5	Standard	No Exceedance
17	UA	E005	Selenium, total	mg/L	03/31/21 - 05/07/24	9	89	CI around median	0.001	0.05	Standard	No Exceedance
17	UA	E005	Sulfate, total	mg/L	03/31/21 - 05/09/24	9	0	CI around geomean	911	400	Standard	Exceedance
17	UA	E005	Thallium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
17	UA	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/09/24	9	0	CI around mean	1,620	1,200	Standard	Exceedance
20	UA	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
20	UA	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	69	CI around median	0.001	0.0600	Background	No Exceedance
20	UA	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0178	2.0	Standard	No Exceedance
20	UA	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
20	UA	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.689	2.45	Background	No Exceedance
20	UA	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
20	UA	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	14	CI around median	4	200	Standard	No Exceedance
20	UA	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
20	UA	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
20	UA	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.1	4.0	Standard	No Exceedance
20	UA	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
20	UA	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around geomean	0.0201	0.04	Standard	No Exceedance
20	UA	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
20	UA	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
20	UA	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CI around median	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
20	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/06/24	11	0	CI around mean	0.404	5	Standard	No Exceedance
20	UA	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
20	UA	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	74.4	400	Standard	No Exceedance
20	UA	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
20	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	409	1,200	Standard	No Exceedance
34	LGU	E005	Antimony, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
34	LGU	E005	Arsenic, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	0.0243	0.0600	Background	No Exceedance

TABLE 2.
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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
34	LGU	E005	Barium, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	0.154	2.0	Standard	No Exceedance
34	LGU	E005	Beryllium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
34	LGU	E005	Boron, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	0.475	2.45	Background	No Exceedance
34	LGU	E005	Cadmium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
34	LGU	E005	Chloride, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	32.9	200	Standard	No Exceedance
34	LGU	E005	Chromium, total	mg/L	03/30/21 - 05/07/24	13	46	CI around mean	0.00194	0.1	Standard	No Exceedance
34	LGU	E005	Cobalt, total	mg/L	03/30/21 - 05/07/24	13	54	CI around median	0.001	0.006	Standard	No Exceedance
34	LGU	E005	Fluoride, total	mg/L	03/30/21 - 05/07/24	13	8	CI around median	0.63	4.0	Standard	No Exceedance
34	LGU	E005	Lead, total	mg/L	03/30/21 - 05/07/24	13	15	CI around mean	0.00115	0.0075	Standard	No Exceedance
34	LGU	E005	Lithium, total	mg/L	03/30/21 - 05/07/24	13	46	CI around mean	0.00325	0.04	Standard	No Exceedance
34	LGU	E005	Mercury, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
34	LGU	E005	Molybdenum, total	mg/L	03/30/21 - 05/07/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
34	LGU	E005	pH (field)	SU	03/30/21 - 05/07/24	13	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
34	LGU	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 05/07/24	11	0	CI around mean	0.469	5	Standard	No Exceedance
34	LGU	E005	Selenium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
34	LGU	E005	Sulfate, total	mg/L	03/30/21 - 05/07/24	13	88	CB around T-S line	-1.09	400	Standard	No Exceedance
34	LGU	E005	Thallium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
34	LGU	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	478	1,200	Standard	No Exceedance
36	UA	E005	Antimony, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
36	UA	E005	Arsenic, total	mg/L	03/31/21 - 05/08/24	13	8	CB around linear reg	0.00276	0.0600	Background	No Exceedance
36	UA	E005	Barium, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.0964	2.0	Standard	No Exceedance
36	UA	E005	Beryllium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
36	UA	E005	Boron, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	11.9	2.45	Background	Exceedance
36	UA	E005	Cadmium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
36	UA	E005	Chloride, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	17	200	Standard	No Exceedance
36	UA	E005	Chromium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
36	UA	E005	Cobalt, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
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VERMILION POWER PLANT
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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
36	UA	E005	Fluoride, total	mg/L	03/31/21 - 05/08/24	13	8	CI around median	0.25	4.0	Standard	No Exceedance
36	UA	E005	Lead, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.0005	0.0075	Standard	No Exceedance
36	UA	E005	Lithium, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.143	0.04	Standard	Exceedance
36	UA	E005	Mercury, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
36	UA	E005	Molybdenum, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.116	0.1	Standard	Exceedance
36	UA	E005	pH (field)	SU	03/31/21 - 05/08/24	13	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
36	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/08/24	12	0	CI around mean	1.02	5	Standard	No Exceedance
36	UA	E005	Selenium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
36	UA	E005	Sulfate, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	961	400	Standard	Exceedance
36	UA	E005	Thallium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
36	UA	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	1,660	1,200	Standard	Exceedance
37	LGU	E005	Antimony, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
37	LGU	E005	Arsenic, total	mg/L	03/31/21 - 05/08/24	13	0	CI around median	0.034	0.0600	Background	No Exceedance
37	LGU	E005	Barium, total	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	0.309	2.0	Standard	No Exceedance
37	LGU	E005	Beryllium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
37	LGU	E005	Boron, total	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	1.73	2.45	Background	No Exceedance
37	LGU	E005	Cadmium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
37	LGU	E005	Chloride, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	41.3	200	Standard	No Exceedance
37	LGU	E005	Chromium, total	mg/L	03/31/21 - 05/08/24	13	92	CB around T-S line	0.0015	0.1	Standard	No Exceedance
37	LGU	E005	Cobalt, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
37	LGU	E005	Fluoride, total	mg/L	03/31/21 - 05/08/24	13	8	CI around mean	0.567	4.0	Standard	No Exceedance
37	LGU	E005	Lead, total	mg/L	03/31/21 - 05/08/24	13	77	CI around median	0.0005	0.0075	Standard	No Exceedance
37	LGU	E005	Lithium, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.003	0.04	Standard	No Exceedance
37	LGU	E005	Mercury, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
37	LGU	E005	Molybdenum, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
37	LGU	E005	pH (field)	SU	03/31/21 - 05/08/24	13	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
37	LGU	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/08/24	12	0	CI around mean	0.934	5	Standard	No Exceedance

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NORTH ASH POND AND OLD 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
37	LGU	E005	Selenium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
37	LGU	E005	Sulfate, total	mg/L	03/31/21 - 05/08/24	13	0	CB around T-S line	222	400	Standard	No Exceedance
37	LGU	E005	Thallium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
37	LGU	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	839	1,200	Standard	No Exceedance
38	UA	E005	Antimony, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
38	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.0273	0.0600	Background	No Exceedance
38	UA	E005	Barium, total	mg/L	03/30/21 - 05/08/24	13	0	CB around T-S line	-0.0435	2.0	Standard	No Exceedance
38	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
38	UA	E005	Boron, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	0.417	2.45	Background	No Exceedance
38	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
38	UA	E005	Chloride, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	13.9	200	Standard	No Exceedance
38	UA	E005	Chromium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
38	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
38	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/08/24	13	8	CI around geomean	0.35	4.0	Standard	No Exceedance
38	UA	E005	Lead, total	mg/L	03/30/21 - 05/08/24	13	92	CI around median	0.0005	0.0075	Standard	No Exceedance
38	UA	E005	Lithium, total	mg/L	03/30/21 - 05/08/24	13	54	CI around median	0.003	0.04	Standard	No Exceedance
38	UA	E005	Mercury, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
38	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/08/24	13	38	CI around mean	0.00241	0.1	Standard	No Exceedance
38	UA	E005	pH (field)	SU	03/30/21 - 05/08/24	13	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
38	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 05/08/24	11	0	CI around mean	0.986	5	Standard	No Exceedance
38	UA	E005	Selenium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
38	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/08/24	13	92	CB around T-S line	-0.857	400	Standard	No Exceedance
38	UA	E005	Thallium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
38	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	503	1,200	Standard	No Exceedance
40	UA	E005	Antimony, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
40	UA	E005	Arsenic, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.0174	0.0600	Background	No Exceedance
40	UA	E005	Barium, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.0292	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
40	UA	E005	Beryllium, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
40	UA	E005	Boron, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	19.9	2.45	Background	Exceedance
40	UA	E005	Cadmium, total	mg/L	03/31/21 - 05/07/24	13	92	CI around median	0.0005	0.005	Standard	No Exceedance
40	UA	E005	Chloride, total	mg/L	03/31/21 - 05/07/24	13	0	CB around linear reg	6.46	200	Standard	No Exceedance
40	UA	E005	Chromium, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
40	UA	E005	Cobalt, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.00535	0.006	Standard	No Exceedance
40	UA	E005	Fluoride, total	mg/L	03/31/21 - 05/07/24	13	85	CI around median	0.1	4.0	Standard	No Exceedance
40	UA	E005	Lead, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
40	UA	E005	Lithium, total	mg/L	03/31/21 - 05/07/24	13	0	CI around median	0.76	0.04	Standard	Exceedance
40	UA	E005	Mercury, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
40	UA	E005	Molybdenum, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.058	0.1	Standard	No Exceedance
40	UA	E005	pH (field)	SU	03/31/21 - 05/07/24	12	0	CI around mean	6.4/6.6	6.5/9.0	Standard/Standard	No Exceedance
40	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/07/24	12	0	CI around mean	0.729	5	Standard	No Exceedance
40	UA	E005	Selenium, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
40	UA	E005	Sulfate, total	mg/L	03/31/21 - 05/07/24	13	0	CB around linear reg	2,920	400	Standard	Exceedance
40	UA	E005	Thallium, total	mg/L	03/31/21 - 05/07/24	13	85	CI around median	0.002	0.002	Standard	No Exceedance
40	UA	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	4,430	1,200	Standard	Exceedance
41	UA	E005	Antimony, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
41	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.0109	0.0600	Background	No Exceedance
41	UA	E005	Barium, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	0.231	2.0	Standard	No Exceedance
41	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
41	UA	E005	Boron, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	2.92	2.45	Background	Exceedance
41	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
41	UA	E005	Chloride, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	46.2	200	Standard	No Exceedance
41	UA	E005	Chromium, total	mg/L	03/30/21 - 05/08/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
41	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
41	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/08/24	13	8	CI around median	0.41	4.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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
41	UA	E005	Lead, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
41	UA	E005	Lithium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.04	Standard	No Exceedance
41	UA	E005	Mercury, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
41	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
41	UA	E005	pH (field)	SU	03/30/21 - 05/08/24	13	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
41	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 05/08/24	11	0	CI around mean	1.12	5	Standard	No Exceedance
41	UA	E005	Selenium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
41	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/08/24	13	85	CI around median	1	400	Standard	No Exceedance
41	UA	E005	Thallium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
41	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	604	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD 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.

HSU = hydrostratigraphic unit:

LGU = Lower Groundwater Unit

UA = Uppermost Aquifer

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 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

Most recent sample = Result for the most recently collected sample used due to insufficient data

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

For pH, the values presented are the lower / upper limits

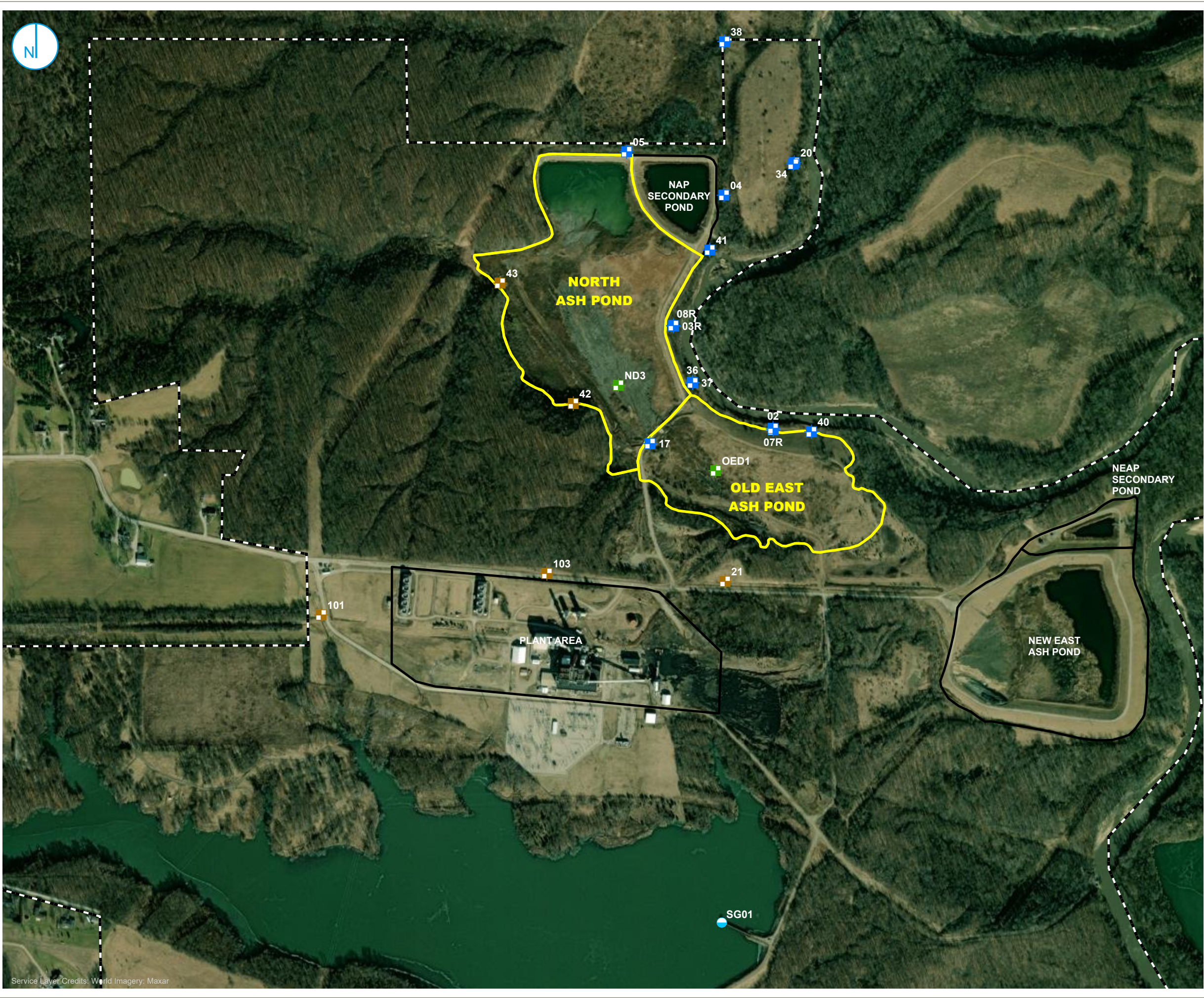
GWPS = Groundwater Protection Standard

GWPS Source:

Background = background concentration

Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

FIGURES



- COMPLIANCE WELL
- BACKGROUND WELL
- SOURCE SAMPLE LOCATION
- STAFF GAGE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 300 600 Feet

MONITORING WELL LOCATION MAP

NORTH ASH POND AND OLD EAST ASH POND
VERMILION POWER PLANT
OAKWOOD, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 2, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
02	Compliance	05/06/2024	17.62	576.42
03R	Compliance	05/06/2024	6.58	581.85
04	Compliance	05/06/2024	7.02	584.04
05	Compliance	05/06/2024	7.11	588.71
07R	Compliance	05/06/2024	15.61	579.06
08R	Compliance	05/06/2024	12.24	577.79
17	Compliance	05/06/2024	37.63	585.73
20	Compliance	05/06/2024	12.87	579.57
21	Background	05/06/2024	91.11	581.77
34	Compliance	05/06/2024	12.86	579.76
36	Compliance	05/06/2024	13.04	577.09
37	Compliance	05/06/2024	6.93	582.95
38	Compliance	05/06/2024	3.42	588.41
40	Compliance	05/06/2024	14.08	578.32
41	Compliance	05/06/2024	4.86	582.48
42	Background	05/06/2024	25.47	583.10
43	Background	05/06/2024	15.57	592.44
101	Background	05/06/2024	108.83	598.01
103	Background	05/09/2024	[123.28]	[597.27]
ND3	Water Level	05/06/2024	13.55	601.17
OED1	Water Level	05/06/2024	40.47	590.11
SG01	Water Level	05/06/2024	16.16	673.33

Notes:
BMP = below measuring point
Bracketing [] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 2, 2024**

ANALYTICAL REPORT

PREPARED FOR

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

Generated 07/11/24 11:53:15

JOB DESCRIPTION

VER-24Q2
VER_845_910-911

JOB NUMBER

500-251785-3

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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Authorized for release by
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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-250240-3

Client: Vistra Energy Corp
Project: VER-24Q2

Job ID: 500-250240-3

Eurofins Chicago

Job Narrative 500-250240-3

Receipt

The samples were received on 05/09/24 10:30. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.8° C, 1.4° C, 1.8° C, 2.2° C, 2.9° C, 3.4° C, 4.2° C, 4.8° C, 4.9° C and 5.2° C.

Receipt Exceptions

Received the Alkalinity bottles for samples 3, 6, 11, & 19 stating "Filter" on them. Per field sampler, bottles were field filtered. Lab instructed not to use this container, as total alkalinity was requested. VER_005 (500-250240-3), VER_016A (500-250240-6), VER_035&D (500-250240-11) and VER_042 (500-250240-19)

Received the TDS, Alk & FI bottle empty for sample 5 and only received the total metals bottle for sample 23. VER_010 (500-250240-5) and VER_071&D (500-250240-23)

Received 2 RAD bottles for sample VER_010 which we already received on 5/9/24. Received 8MS bottles with time of 1105, logged per COC. Received 8MSD bottles with time of 1130, logged per COC. Received 19MS/MSD bottles with time of 1055, logged per COC. Shouldn't be receiving MS/MSD samples taken on different dates compared to the original sample. Received bottles for sample 25 with time of 1000, logged per COC. Received 5 bottles for sample 27, COC has 4. Received 1 bottle for sample 36, COC has 2. VER_021 (500-250240-8[MS]), VER_021 (500-250240-8[MSD]), VER_042 (500-250240-19[MS]), VER_042 (500-250240-19[MSD]), VER_003R_FD (500-250240-25), VER_017 (500-250240-27) and VER_017 (500-250240-36)

Results not reported for the following wells due to an error with the field sampling equipment, resulting in unusable field pH and dissolved oxygen. Wells will be resampled: VER_003R, 005, 008R, 010, 016A, 020, 035&D, 021, 042, 070#S, 070&D, 071#S, 071&D, 101&

Metals

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

General Chemistry

Method SM 2320B: The following ALK sample was analyzed outside of analytical holding time due to Analyst overlooked samples on the backlog: VER_036_FD (500-250240-13).

Method 300.0: The method blank for analytical batch 500-769121 contained Chloride 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 SM 4500 F C: The autosampler locked up. The instrument had to be restarted. The following samples were ran and linked to the associated QC from the previous batch. VER_007R (500-250240-4) and VER_020 (500-250240-7)

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

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3

Client: Vistra Energy Corp
Project: VER-24Q2

Job ID: 500-251785-3

Eurofins Chicago

Job Narrative 500-251785-3

Receipt

The samples were received on 06/07/24 09:45. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.5° C, 3.5° C, 3.7° C, 4.2° C and 5.0° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Samples #9 and #10 not checked off for any analysis, logged per pervious practice (912,912NPDEs,000RAD,000_A).

Method Field Sampling: Depth to water for sample VER_101& (500-251785-15) entered as >100 ft, as it is recorded as "deeper than 100' tape" on field form.

Metals

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

General Chemistry

Method SM 2320B: The method blank for analytical batch 500-772979 contained Alkalinity above the reporting limit (RL). Associated sample(s) were not re-analyzed because results were greater than 10X the value found in the method blank.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 500-772471 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_002

Lab Sample ID: 500-250240-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0031	J	0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.0073		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.24	B	0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.35	B	0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	110		0.20	0.044	mg/L	1			6020B	Total Recoverable
Lead	0.00024	J	0.00050	0.00019	mg/L	1			6020B	Total Recoverable
Magnesium	42		0.20	0.049	mg/L	1			6020B	Total Recoverable
Potassium	2.6		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	80		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	4.9	B	1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	18		1.0	0.21	mg/L	1			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	430		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	670		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.61		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	18.05				ft	1			Field Sampling	Total/NA
Field pH	7.77				SU	1			Field Sampling	Total/NA
Field Temperature	14.5				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-63.9				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	2.09				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1069				umhos/cm	1			Field Sampling	Total/NA
Turbidity	9.89				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_004

Lab Sample ID: 500-250240-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.044		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.0060		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.20	B	0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	8.0	B	0.50	0.13	mg/L	10			6020B	Total Recoverable
Calcium	63		0.20	0.044	mg/L	1			6020B	Total Recoverable
Cobalt	0.00047	J	0.0010	0.00040	mg/L	1			6020B	Total Recoverable
Magnesium	25		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.037		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	6.1		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	23		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	9.5		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	25		1.0	0.21	mg/L	1			300.0	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client Sample ID: VER_004 (Continued)

Lab Sample ID: 500-250240-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	270		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	350		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.35		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.10				ft	1			Field Sampling	Total/NA
Field pH	7.72				SU	1			Field Sampling	Total/NA
Field Temperature	12.6				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-140.1				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.20				mg/L	1			Field Sampling	Total/NA
Specific Conductance	545				umhos/cm	1			Field Sampling	Total/NA
Turbidity	3.62				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_007R

Lab Sample ID: 500-250240-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.63		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
Arsenic	0.0011		0.0010	0.00023	mg/L	1			6020B	Recoverable Total
Barium	0.016	B	0.0025	0.00073	mg/L	1			6020B	Recoverable Total
Boron	45	B	1.0	0.25	mg/L	20			6020B	Recoverable Total
Calcium	680		4.0	0.89	mg/L	20			6020B	Recoverable Total
Magnesium	30		0.20	0.049	mg/L	1			6020B	Recoverable Total
Molybdenum	0.44		0.0050	0.0025	mg/L	1			6020B	Recoverable Total
Potassium	56		0.50	0.11	mg/L	1			6020B	Recoverable Total
Selenium	0.015		0.0025	0.00098	mg/L	1			6020B	Recoverable Total
Sodium	40		0.20	0.077	mg/L	1			6020B	Recoverable Total
Chloride	4.0		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	1900		100	21	mg/L	100			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	80		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	3100		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.11		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	23.70				ft	1			Field Sampling	Total/NA
Field pH	7.36				SU	1			Field Sampling	Total/NA
Field Temperature	15.0				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-31.4				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	1.01				mg/L	1			Field Sampling	Total/NA
Specific Conductance	2694				umhos/cm	1			Field Sampling	Total/NA
Turbidity	7.52				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_034

Lab Sample ID: 500-250240-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.024		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.15	B	0.0025	0.00073	mg/L	1			6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_034 (Continued)

Lab Sample ID: 500-250240-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Boron	0.54	B	0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	73		0.20	0.044	mg/L	1			6020B	Total Recoverable
Magnesium	37		0.20	0.049	mg/L	1			6020B	Total Recoverable
Potassium	2.3		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	80		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	32		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	0.26	J	1.0	0.21	mg/L	1			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	470		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	530		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.63		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	12.96				ft	1			Field Sampling	Total/NA
Field pH	7.15				SU	1			Field Sampling	Total/NA
Field Temperature	12.2				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-96.1				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.47				mg/L	1			Field Sampling	Total/NA
Specific Conductance	909				umhos/cm	1			Field Sampling	Total/NA
Turbidity	67.36				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_036

Lab Sample ID: 500-250240-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.29		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.0030		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.060	B	0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	15	B	0.50	0.13	mg/L	10			6020B	Total Recoverable
Calcium	390		2.0	0.44	mg/L	10			6020B	Total Recoverable
Cobalt	0.00046	J	0.0010	0.00040	mg/L	1			6020B	Total Recoverable
Magnesium	51		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.22		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	24		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	28		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	11		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	1100		100	21	mg/L	100			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	120		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1800		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.26		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	13.30				ft	1			Field Sampling	Total/NA
Field pH	7.43				SU	1			Field Sampling	Total/NA
Field Temperature	11.7				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-74.7				millivolts	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_036 (Continued)

Lab Sample ID: 500-250240-12

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	1855				umhos/cm	1		Field Sampling	Total/NA
Turbidity	11.71				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_036_FD

Lab Sample ID: 500-250240-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.29		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.0027		0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.058	B	0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	16	B	0.50	0.13	mg/L	10		6020B	Recoverable Total
Calcium	390		2.0	0.44	mg/L	10		6020B	Recoverable Total
Cobalt	0.00044	J	0.0010	0.00040	mg/L	1		6020B	Recoverable Total
Magnesium	50		0.20	0.049	mg/L	1		6020B	Recoverable Total
Molybdenum	0.23		0.0050	0.0025	mg/L	1		6020B	Recoverable Total
Potassium	24		0.50	0.11	mg/L	1		6020B	Recoverable Total
Sodium	27		0.20	0.077	mg/L	1		6020B	Recoverable Total
Chloride	10		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	1100		100	21	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	120	H	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1900		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.26		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	13.30				ft	1		Field Sampling	Total/NA
Field pH	7.43				SU	1		Field Sampling	Total/NA
Field Temperature	11.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-74.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.05				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1855				umhos/cm	1		Field Sampling	Total/NA
Turbidity	11.71				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_037

Lab Sample ID: 500-250240-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0028	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.037		0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.33	B	0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	1.9	B	0.050	0.013	mg/L	1		6020B	Recoverable Total
Calcium	120		0.20	0.044	mg/L	1		6020B	Recoverable Total
Lead	0.00032	J	0.00050	0.00019	mg/L	1		6020B	Recoverable Total

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_037 (Continued)

Lab Sample ID: 500-250240-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	60		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.8		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	90		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	42		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	310		10	2.1	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	950		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.62		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	6.07				ft	1		Field Sampling	Total/NA
Field pH	7.05				SU	1		Field Sampling	Total/NA
Field Temperature	12.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-110.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.09				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1339				umhos/cm	1		Field Sampling	Total/NA
Turbidity	12.70				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_038

Lab Sample ID: 500-250240-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0030	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.029		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.20	B	0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.48	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	75		0.20	0.044	mg/L	1		6020B	Total Recoverable
Lead	0.00019	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	35		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	79		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	16		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	0.84	J	1.0	0.21	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	530		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.39		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	3.39				ft	1		Field Sampling	Total/NA
Field pH	7.06				SU	1		Field Sampling	Total/NA
Field Temperature	12.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-107.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.60				mg/L	1		Field Sampling	Total/NA
Specific Conductance	957				umhos/cm	1		Field Sampling	Total/NA
Turbidity	22.54				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_040

Lab Sample ID: 500-250240-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.84		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.018		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.027	B	0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	21	B	0.50	0.13	mg/L	10			6020B	Total Recoverable
Calcium	660		2.0	0.44	mg/L	10			6020B	Total Recoverable
Cobalt	0.0058		0.0010	0.00040	mg/L	1			6020B	Total Recoverable
Lead	0.00025	J	0.00050	0.00019	mg/L	1			6020B	Total Recoverable
Magnesium	190		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.057		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	48		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	53		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	11		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	3000		100	21	mg/L	100			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	23		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	4700		25	11	mg/L	1			SM 2540C	Total/NA
Depth to Water (ft from MP)	14.08				ft	1			Field Sampling	Total/NA
Field pH	6.47				SU	1			Field Sampling	Total/NA
Field Temperature	15.2				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-76.0				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.19				mg/L	1			Field Sampling	Total/NA
Specific Conductance	3796				umhos/cm	1			Field Sampling	Total/NA
Turbidity	2.77				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_040_FD

Lab Sample ID: 500-250240-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.85		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.018		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.026	B	0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	21	B	0.50	0.13	mg/L	10			6020B	Total Recoverable
Calcium	640		2.0	0.44	mg/L	10			6020B	Total Recoverable
Cobalt	0.0059		0.0010	0.00040	mg/L	1			6020B	Total Recoverable
Magnesium	190		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.059		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	47		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	50		0.20	0.077	mg/L	1			6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_040_FD (Continued)

Lab Sample ID: 500-250240-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	11		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	3000		100	21	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	31		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	4700		25	11	mg/L	1		SM 2540C	Total/NA
Depth to Water (ft from MP)	14.08				ft	1		Field Sampling	Total/NA
Field pH	6.47				SU	1		Field Sampling	Total/NA
Field Temperature	15.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-76.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.19				mg/L	1		Field Sampling	Total/NA
Specific Conductance	3796				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.77				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_041

Lab Sample ID: 500-250240-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0047	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.013		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.23	B	0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	3.1	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	83		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0013	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.00046	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00034	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	39		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	92	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	49		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	0.27	J	1.0	0.21	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	560		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	660		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.42		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	4.80				ft	1		Field Sampling	Total/NA
Field pH	7.19				SU	1		Field Sampling	Total/NA
Field Temperature	14.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-112.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.12				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1128				umhos/cm	1		Field Sampling	Total/NA
Turbidity	24.63				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_017

Lab Sample ID: 500-250240-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	990		100	21	mg/L	100		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-091
SDG: VER_845_910-911

Client Sample ID: VER_017 (Continued)

Lab Sample ID: 500-250240-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	320		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	0.19		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: VER_043

Lab Sample ID: 500-250240-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.012		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.0095		0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.40	B	0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	1.0	B	0.050	0.013	mg/L	1		6020B	Recoverable Total
Calcium	96		0.20	0.044	mg/L	1		6020B	Recoverable Total
Lead	0.00021	J	0.00050	0.00019	mg/L	1		6020B	Recoverable Total
Magnesium	53		0.20	0.049	mg/L	1		6020B	Recoverable Total
Potassium	5.7		0.50	0.11	mg/L	1		6020B	Recoverable Total
Sodium	100	B	0.20	0.077	mg/L	1		6020B	Recoverable Total
Chloride	61		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	120		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	790		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.51		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	17.22				ft	1		Field Sampling	Total/NA
Field pH	7.23				SU	1		Field Sampling	Total/NA
Field Temperature	11.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-77.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.27				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1267				umhos/cm	1		Field Sampling	Total/NA
Turbidity	20.99				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_043_FD

Lab Sample ID: 500-250240-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.013		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.010		0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.41	B	0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	0.99	B	0.050	0.013	mg/L	1		6020B	Recoverable Total
Calcium	94		0.20	0.044	mg/L	1		6020B	Recoverable Total
Magnesium	52		0.20	0.049	mg/L	1		6020B	Recoverable Total
Potassium	5.5		0.50	0.11	mg/L	1		6020B	Recoverable Total

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_043_FD (Continued)

Lab Sample ID: 500-250240-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	100	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	63		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	110		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	490	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	770		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.51		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	17.22				ft	1		Field Sampling	Total/NA
Field pH	7.23				SU	1		Field Sampling	Total/NA
Field Temperature	11.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-77.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.27				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1267				umhos/cm	1		Field Sampling	Total/NA
Turbidity	20.99				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_103&

Lab Sample ID: 500-250240-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.065		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0013		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.015	B	0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.29	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	210		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0032		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	210		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0041	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	1.7		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	20	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	5.4		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	1000		100	21	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	380	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1900		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.26		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	123.28				ft	1		Field Sampling	Total/NA
Field pH	6.99				SU	1		Field Sampling	Total/NA
Field Temperature	13.3				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	148.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.96				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2000				umhos/cm	1		Field Sampling	Total/NA
Turbidity	19.01				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_017

Lab Sample ID: 500-250240-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.050		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00027	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.024		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	3.1	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	380		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00040	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	110		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0026	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	4.5		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	22		0.20	0.077	mg/L	1		6020B	Total Recoverable
Thallium	0.0013	J	0.0020	0.00057	mg/L	1		6020B	Total Recoverable
Depth to Water (ft from MP)	37.63				ft	1		Field Sampling	Total/NA
Field pH	6.64				SU	1		Field Sampling	Total/NA
Field Temperature	13.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	87.1				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.37				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2017				umhos/cm	1		Field Sampling	Total/NA
Turbidity	20.89				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_ND3

Lab Sample ID: 500-250240-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	13.55				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_OED1

Lab Sample ID: 500-250240-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	40.47				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_YSG01

Lab Sample ID: 500-250240-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	16.16				ft	1		Field Sampling	Total/NA

Client Sample ID: VER_003R

Lab Sample ID: 500-251785-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0046	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.0046		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.33		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	29	B	1.0	0.25	mg/L	20		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_003R (Continued)

Lab Sample ID: 500-251785-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Calcium	180		0.20	0.044	mg/L	1			6020B	Total
Lead	0.00046	J	0.00050	0.00019	mg/L	1			6020B	Recoverable
Magnesium	64		0.20	0.049	mg/L	1			6020B	Total
Molybdenum	0.39		0.0050	0.0025	mg/L	1			6020B	Recoverable
Potassium	2.8		0.50	0.11	mg/L	1			6020B	Total
Sodium	100		0.20	0.077	mg/L	1			6020B	Recoverable
Chloride	26		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	640		20	4.1	mg/L	20			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	290		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1400		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.43		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	6.84				ft	1			Field Sampling	Total/NA
Field pH	7.02				SU	1			Field Sampling	Total/NA
Field Temperature	22.14				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	167				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	6.89				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1840				umhos/cm	1			Field Sampling	Total/NA
Turbidity	77.2				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-251785-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0040	J	0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
Arsenic	0.0039		0.0010	0.00023	mg/L	1			6020B	Recoverable
Barium	0.32		0.0025	0.00073	mg/L	1			6020B	Total
Boron	29	B	1.0	0.25	mg/L	20			6020B	Recoverable
Calcium	180		0.20	0.044	mg/L	1			6020B	Total
Cobalt	0.00041	J	0.0010	0.00040	mg/L	1			6020B	Recoverable
Lead	0.00025	J	0.00050	0.00019	mg/L	1			6020B	Total
Magnesium	63		0.20	0.049	mg/L	1			6020B	Recoverable
Molybdenum	0.38		0.0050	0.0025	mg/L	1			6020B	Total
Potassium	2.7		0.50	0.11	mg/L	1			6020B	Recoverable
Sodium	100		0.20	0.077	mg/L	1			6020B	Total
Chloride	26		1.0	0.12	mg/L	1			300.0	Recoverable
Sulfate	630		20	4.1	mg/L	20			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	290		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1400		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.41		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	6.84				ft	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_003R_FD (Continued)

Lab Sample ID: 500-251785-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.02				SU	1		Field Sampling	Total/NA
Field Temperature	22.14				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	167				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	6.89				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1840				umhos/cm	1		Field Sampling	Total/NA
Turbidity	77.2				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_005

Lab Sample ID: 500-251785-3

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	0.00029	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.028		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	17	B	1.0	0.25	mg/L	20		6020B	Total Recoverable
Calcium	120		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00073	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00019	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	25		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.042		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	11		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	25		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	8.0		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	250		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	200		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	560		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.61		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	7.29				ft	1		Field Sampling	Total/NA
Field pH	7.76				SU	1		Field Sampling	Total/NA
Field Temperature	13.99				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	187				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.12				mg/L	1		Field Sampling	Total/NA
Specific Conductance	851				umhos/cm	1		Field Sampling	Total/NA
Turbidity	39.1				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_008R

Lab Sample ID: 500-251785-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.37		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.033		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.068		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	35	B	1.0	0.25	mg/L	20		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_008R (Continued)

Lab Sample ID: 500-251785-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Calcium	270		0.20	0.044	mg/L	1			6020B	Total
										Recoverable
Magnesium	28		0.20	0.049	mg/L	1			6020B	Total
										Recoverable
Molybdenum	0.34		0.0050	0.0025	mg/L	1			6020B	Total
										Recoverable
Potassium	20		0.50	0.11	mg/L	1			6020B	Total
										Recoverable
Sodium	35		0.20	0.077	mg/L	1			6020B	Total
										Recoverable
Chloride	5.7		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	760		20	4.1	mg/L	20			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	130		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1300		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.060	J	0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	12.14				ft	1			Field Sampling	Total/NA
Field pH	7.48				SU	1			Field Sampling	Total/NA
Field Temperature	13.40				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	132				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	4.84				mg/L	1			Field Sampling	Total/NA
Specific Conductance	981				umhos/cm	1			Field Sampling	Total/NA
Turbidity	67.6				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_020

Lab Sample ID: 500-251785-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.023		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	0.020		0.0025	0.00073	mg/L	1			6020B	Total
										Recoverable
Boron	1.9	B	0.050	0.013	mg/L	1			6020B	Total
										Recoverable
Calcium	96		0.20	0.044	mg/L	1			6020B	Total
										Recoverable
Magnesium	38		0.20	0.049	mg/L	1			6020B	Total
										Recoverable
Potassium	1.0		0.50	0.11	mg/L	1			6020B	Total
										Recoverable
Sodium	10		0.20	0.077	mg/L	1			6020B	Total
										Recoverable
Mercury	0.00014	J	0.00020	0.000076	mg/L	1			7470A	Total/NA
Chloride	4.0		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	85		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	310		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	520		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.075	J	0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	13.83				ft	1			Field Sampling	Total/NA
Field pH	7.61				SU	1			Field Sampling	Total/NA
Field Temperature	17.92				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	181				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	1.18				mg/L	1			Field Sampling	Total/NA
Specific Conductance	736				umhos/cm	1			Field Sampling	Total/NA
Turbidity	35.9				NTU	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_021

Lab Sample ID: 500-251785-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0026	J F2 F1	0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.047		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.13		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.85	B	0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	85		0.20	0.044	mg/L	1			6020B	Total Recoverable
Magnesium	35		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.0030	J	0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	2.2		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	51		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	2.4		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	82		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	370		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	660		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.92		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	91.92				ft	1			Field Sampling	Total/NA
Field pH	8.11				SU	1			Field Sampling	Total/NA
Field Temperature	14.92				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	35				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.31				mg/L	1			Field Sampling	Total/NA
Specific Conductance	815				umhos/cm	1			Field Sampling	Total/NA
Turbidity	3.1				NTU	1			Field Sampling	Total/NA

Client Sample ID: VER_042

Lab Sample ID: 500-251785-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0030	J F2 F1	0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.020		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.16		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.70	B	0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	96		0.20	0.044	mg/L	1			6020B	Total Recoverable
Magnesium	53		0.20	0.049	mg/L	1			6020B	Total Recoverable
Potassium	2.7		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	61		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	18		1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	71	F1 F2	5.0	1.0	mg/L	5			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	460		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	0.59		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	24.74				ft	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-091
SDG: VER_845_910-911

Client Sample ID: VER_042 (Continued)

Lab Sample ID: 500-251785-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.85				SU	1		Field Sampling	Total/NA
Field Temperature	13.09				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	42				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.98				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1110				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.1				NTU	1		Field Sampling	Total/NA

Client Sample ID: VER_101&

Lab Sample ID: 500-251785-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.030		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.047		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.11		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.1	B	0.25	0.064	mg/L	5		6020B	Total Recoverable
Calcium	88		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	51		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	110		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	32		1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	190		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	450		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	810		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.67		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	>100				ft	1		Field Sampling	Total/NA
Field pH	8.16				SU	1		Field Sampling	Total/NA
Field Temperature	17.25				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	59				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.55				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1340				umhos/cm	1		Field Sampling	Total/NA
Turbidity	7.8				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 590-251785-3
VER-24Q2-910-911
SDG: VER_845_910-911

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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-250240-1	VER_002	Water	05/08/24 15:05	05/09/24 10:30
500-250240-2	VER_004	Water	05/08/24 09:50	05/09/24 10:30
500-250240-4	VER_007R	Water	05/07/24 10:55	05/09/24 10:30
500-250240-10	VER_034	Water	05/07/24 09:05	05/09/24 10:30
500-250240-12	VER_036	Water	05/08/24 14:10	05/09/24 10:30
500-250240-13	VER_036_FD	Water	05/08/24 14:10	05/09/24 10:30
500-250240-14	VER_037	Water	05/08/24 13:40	05/09/24 10:30
500-250240-15	VER_038	Water	05/08/24 08:30	05/09/24 10:30
500-250240-16	VER_040	Water	05/07/24 12:10	05/09/24 10:30
500-250240-17	VER_040_FD	Water	05/07/24 12:10	05/09/24 10:30
500-250240-18	VER_041	Water	05/08/24 11:45	05/09/24 10:30
500-250240-27	VER_017	Water	05/09/24 08:45	05/10/24 11:00
500-250240-28	VER_043	Water	05/09/24 08:25	05/10/24 11:00
500-250240-29	VER_043_FD	Water	05/09/24 08:25	05/10/24 11:00
500-250240-31	VER_103&	Water	05/09/24 12:35	05/10/24 11:00
500-250240-36	VER_017	Water	05/07/24 13:35	05/10/24 11:00
500-250240-38	VER_ND3	Water	05/06/24 13:35	05/09/24 10:30
500-250240-39	VER_OED1	Water	05/06/24 15:25	05/09/24 10:30
500-250240-40	VER_YSG01	Water	05/06/24 16:00	05/09/24 10:30
500-251785-1	VER_003R	Water	06/06/24 13:15	06/07/24 09:45
500-251785-2	VER_003R_FD	Water	06/06/24 13:15	06/07/24 09:45
500-251785-3	VER_005	Water	06/06/24 15:35	06/07/24 09:45
500-251785-4	VER_008R	Water	06/06/24 14:20	06/07/24 09:45
500-251785-7	VER_020	Water	06/06/24 14:35	06/07/24 09:45
500-251785-8	VER_021	Water	06/06/24 16:05	06/07/24 09:45
500-251785-12	VER_042	Water	06/06/24 13:15	06/07/24 09:45
500-251785-15	VER_101&	Water	06/06/24 17:40	06/07/24 09:45

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_002

Lab Sample ID: 500-250240-1

Date Collected: 05/08/24 15:05

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0031	J	0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 13:07	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		05/22/24 09:30	05/23/24 11:29	1
Arsenic	0.0073		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 11:29	1
Barium	0.24	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 11:29	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 11:29	1
Boron	0.35	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 11:29	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 11:29	1
Calcium	110		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 11:29	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 11:29	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 11:29	1
Lead	0.00024	J	0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 11:29	1
Magnesium	42		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 11:29	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 11:29	1
Potassium	2.6		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 11:29	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 11:29	1
Sodium	80		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 11:29	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 11:29	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		05/17/24 11:25	05/20/24 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.9	B	1.0	0.12	mg/L			05/23/24 18:11	1
Sulfate (EPA 300.0)	18		1.0	0.21	mg/L			05/23/24 18:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	430		5.0	3.7	mg/L			05/22/24 18:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 18:57	1
Total Dissolved Solids (SM 2540C)	670		10	4.3	mg/L			05/10/24 02:05	1
Fluoride (SM 4500 F C)	0.61		0.10	0.056	mg/L			05/30/24 18:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	18.05				ft			05/08/24 15:05	1
Field pH	7.77				SU			05/08/24 15:05	1
Field Temperature	14.5				Degrees C			05/08/24 15:05	1
Oxidation Reduction Potential	-63.9				millivolts			05/08/24 15:05	1
Oxygen, Dissolved	2.09				mg/L			05/08/24 15:05	1
Specific Conductance	1069				umhos/cm			05/08/24 15:05	1
Turbidity	9.89				NTU			05/08/24 15:05	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0910-911
SDG: VER_845_910-911

Client Sample ID: VER_004

Lab Sample ID: 500-250240-2

Date Collected: 05/08/24 09:50

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.044		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 13:11	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		05/22/24 09:30	05/23/24 11:35	1
Arsenic	0.0060		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 11:35	1
Barium	0.20	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 11:35	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 11:35	1
Boron	8.0	B	0.50	0.13	mg/L		05/22/24 09:30	05/23/24 11:44	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 11:35	1
Calcium	63		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 11:35	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 11:35	1
Cobalt	0.00047	J	0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 11:35	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 11:35	1
Magnesium	25		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 11:35	1
Molybdenum	0.037		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 11:35	1
Potassium	6.1		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 11:35	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 11:35	1
Sodium	23		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 11:35	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 11:35	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		05/17/24 11:25	05/20/24 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	9.5		1.0	0.12	mg/L			05/23/24 16:09	1
Sulfate (EPA 300.0)	25		1.0	0.21	mg/L			05/23/24 16:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		5.0	3.7	mg/L			05/22/24 19:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 19:10	1
Total Dissolved Solids (SM 2540C)	350		10	4.3	mg/L			05/10/24 02:08	1
Fluoride (SM 4500 F C)	0.35		0.10	0.056	mg/L			05/30/24 18:52	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	7.10				ft			05/08/24 09:50	1
Field pH	7.72				SU			05/08/24 09:50	1
Field Temperature	12.6				Degrees C			05/08/24 09:50	1
Oxidation Reduction Potential	-140.1				millivolts			05/08/24 09:50	1
Oxygen, Dissolved	0.20				mg/L			05/08/24 09:50	1
Specific Conductance	545				umhos/cm			05/08/24 09:50	1
Turbidity	3.62				NTU			05/08/24 09:50	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0910-911
SDG: VER_845_910-911

Client Sample ID: VER_007R

Lab Sample ID: 500-250240-4

Date Collected: 05/07/24 10:55

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.63		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 13:18	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		05/22/24 09:30	05/23/24 11:57	1
Arsenic	0.0011		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 11:57	1
Barium	0.016	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 11:57	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 11:57	1
Boron	45	B	1.0	0.25	mg/L		05/22/24 09:30	05/23/24 12:16	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 11:57	1
Calcium	680		4.0	0.89	mg/L		05/22/24 09:30	05/23/24 12:16	20
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 11:57	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 11:57	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 11:57	1
Magnesium	30		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 11:57	1
Molybdenum	0.44		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 11:57	1
Potassium	56		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 11:57	1
Selenium	0.015		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 11:57	1
Sodium	40		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 11:57	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 11:57	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		05/17/24 11:25	05/20/24 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.0		1.0	0.12	mg/L			05/23/24 16:55	1
Sulfate (EPA 300.0)	1900		100	21	mg/L			05/23/24 17:10	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	80		5.0	3.7	mg/L			05/21/24 20:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/21/24 20:34	1
Total Dissolved Solids (SM 2540C)	3100		10	4.3	mg/L			05/10/24 02:13	1
Fluoride (SM 4500 F C)	0.11		0.10	0.056	mg/L			05/28/24 22:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	23.70				ft			05/07/24 10:55	1
Field pH	7.36				SU			05/07/24 10:55	1
Field Temperature	15.0				Degrees C			05/07/24 10:55	1
Oxidation Reduction Potential	-31.4				millivolts			05/07/24 10:55	1
Oxygen, Dissolved	1.01				mg/L			05/07/24 10:55	1
Specific Conductance	2694				umhos/cm			05/07/24 10:55	1
Turbidity	7.52				NTU			05/07/24 10:55	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-910-911
SDG: VER_845_910-911

Client Sample ID: VER_034

Lab Sample ID: 500-250240-10

Date Collected: 05/07/24 09:05

Matrix: Water

Date Received: 05/09/24 10:30

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		05/17/24 09:33	05/20/24 14:01	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		05/22/24 09:30	05/23/24 12:45	1
Arsenic	0.024		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 12:45	1
Barium	0.15	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 12:45	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 12:45	1
Boron	0.54	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 12:45	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 12:45	1
Calcium	73		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 12:45	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 12:45	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 12:45	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 12:45	1
Magnesium	37		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 12:45	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 12:45	1
Potassium	2.3		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 12:45	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 12:45	1
Sodium	80		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 12:45	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 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		05/17/24 11:25	05/20/24 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	32		1.0	0.12	mg/L			05/23/24 21:43	1
Sulfate (EPA 300.0)	0.26	J	1.0	0.21	mg/L			05/23/24 21:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	470		5.0	3.7	mg/L			05/21/24 21:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/21/24 21:15	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			05/10/24 02:28	1
Fluoride (SM 4500 F C)	0.63		0.10	0.056	mg/L			05/28/24 23:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	12.96				ft			05/07/24 09:05	1
Field pH	7.15				SU			05/07/24 09:05	1
Field Temperature	12.2				Degrees C			05/07/24 09:05	1
Oxidation Reduction Potential	-96.1				millivolts			05/07/24 09:05	1
Oxygen, Dissolved	0.47				mg/L			05/07/24 09:05	1
Specific Conductance	909				umhos/cm			05/07/24 09:05	1
Turbidity	67.36				NTU			05/07/24 09:05	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-1091
SDG: VER_845_910-911

Client Sample ID: VER_036

Lab Sample ID: 500-250240-12

Date Collected: 05/08/24 14:10

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.29		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:08	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		05/22/24 09:30	05/23/24 12:58	1
Arsenic	0.0030		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 12:58	1
Barium	0.060	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 12:58	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 12:58	1
Boron	15	B	0.50	0.13	mg/L		05/22/24 09:30	05/23/24 13:06	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 12:58	1
Calcium	390		2.0	0.44	mg/L		05/22/24 09:30	05/23/24 13:06	10
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 12:58	1
Cobalt	0.00046	J	0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 12:58	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 12:58	1
Magnesium	51		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 12:58	1
Molybdenum	0.22		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 12:58	1
Potassium	24		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 12:58	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 12:58	1
Sodium	28		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 12:58	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 12:58	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		05/17/24 11:25	05/20/24 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		1.0	0.12	mg/L			05/23/24 22:14	1
Sulfate (EPA 300.0)	1100		100	21	mg/L			05/23/24 22:29	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	120		5.0	3.7	mg/L			05/22/24 20:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 20:00	1
Total Dissolved Solids (SM 2540C)	1800		10	4.3	mg/L			05/10/24 02:49	1
Fluoride (SM 4500 F C)	0.26		0.10	0.056	mg/L			05/30/24 19:12	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	13.30				ft			05/08/24 14:10	1
Field pH	7.43				SU			05/08/24 14:10	1
Field Temperature	11.7				Degrees C			05/08/24 14:10	1
Oxidation Reduction Potential	-74.7				millivolts			05/08/24 14:10	1
Oxygen, Dissolved	0.05				mg/L			05/08/24 14:10	1
Specific Conductance	1855				umhos/cm			05/08/24 14:10	1
Turbidity	11.71				NTU			05/08/24 14:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-1001
SDG: VER_845_910-911

Client Sample ID: VER_036_FD

Lab Sample ID: 500-250240-13

Date Collected: 05/08/24 14:10

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.29		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:12	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		05/22/24 09:30	05/23/24 13:08	1
Arsenic	0.0027		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 13:08	1
Barium	0.058	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 13:08	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 13:08	1
Boron	16	B	0.50	0.13	mg/L		05/22/24 09:30	05/23/24 13:21	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 13:08	1
Calcium	390		2.0	0.44	mg/L		05/22/24 09:30	05/23/24 13:21	10
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 13:08	1
Cobalt	0.00044	J	0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 13:08	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 13:08	1
Magnesium	50		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 13:08	1
Molybdenum	0.23		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 13:08	1
Potassium	24		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 13:08	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 13:08	1
Sodium	27		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 13:08	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 13:08	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		05/17/24 11:25	05/20/24 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	10		1.0	0.12	mg/L			05/23/24 22:44	1
Sulfate (EPA 300.0)	1100		100	21	mg/L			05/23/24 22:59	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	120	H	5.0	3.7	mg/L			06/03/24 10:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0	H	5.0	3.7	mg/L			06/03/24 10:52	1
Total Dissolved Solids (SM 2540C)	1900		10	4.3	mg/L			05/10/24 02:56	1
Fluoride (SM 4500 F C)	0.26		0.10	0.056	mg/L			05/30/24 19:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	13.30				ft			05/08/24 14:10	1
Field pH	7.43				SU			05/08/24 14:10	1
Field Temperature	11.7				Degrees C			05/08/24 14:10	1
Oxidation Reduction Potential	-74.7				millivolts			05/08/24 14:10	1
Oxygen, Dissolved	0.05				mg/L			05/08/24 14:10	1
Specific Conductance	1855				umhos/cm			05/08/24 14:10	1
Turbidity	11.71				NTU			05/08/24 14:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_037

Lab Sample ID: 500-250240-14

Date Collected: 05/08/24 13:40

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0028	J	0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:16	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		05/22/24 09:30	05/23/24 13:23	1
Arsenic	0.037		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 13:23	1
Barium	0.33	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 13:23	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 13:23	1
Boron	1.9	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 13:23	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 13:23	1
Calcium	120		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 13:23	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 13:23	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 13:23	1
Lead	0.00032	J	0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 13:23	1
Magnesium	60		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 13:23	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 13:23	1
Potassium	2.8		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 13:23	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 13:23	1
Sodium	90		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 13:23	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 13:23	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		05/17/24 11:25	05/20/24 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	42		1.0	0.12	mg/L			05/23/24 23:14	1
Sulfate (EPA 300.0)	310		10	2.1	mg/L			05/23/24 23:29	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	400		5.0	3.7	mg/L			05/22/24 20:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 20:08	1
Total Dissolved Solids (SM 2540C)	950		10	4.3	mg/L			05/10/24 03:02	1
Fluoride (SM 4500 F C)	0.62		0.10	0.056	mg/L			05/30/24 19:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.07				ft			05/08/24 13:40	1
Field pH	7.05				SU			05/08/24 13:40	1
Field Temperature	12.9				Degrees C			05/08/24 13:40	1
Oxidation Reduction Potential	-110.8				millivolts			05/08/24 13:40	1
Oxygen, Dissolved	0.09				mg/L			05/08/24 13:40	1
Specific Conductance	1339				umhos/cm			05/08/24 13:40	1
Turbidity	12.70				NTU			05/08/24 13:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-910-911
SDG: VER_845_910-911

Client Sample ID: VER_038

Lab Sample ID: 500-250240-15

Date Collected: 05/08/24 08:30

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0030	J	0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:19	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		05/22/24 09:30	05/23/24 13:25	1
Arsenic	0.029		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 13:25	1
Barium	0.20	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 13:25	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 13:25	1
Boron	0.48	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 13:25	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 13:25	1
Calcium	75		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 13:25	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 13:25	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 13:25	1
Lead	0.00019	J	0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 13:25	1
Magnesium	35		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 13:25	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 13:25	1
Potassium	2.6		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 13:25	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 13:25	1
Sodium	79		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 13:25	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 13:25	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		05/17/24 11:25	05/20/24 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	16		1.0	0.12	mg/L			05/23/24 23:45	1
Sulfate (EPA 300.0)	0.84	J	1.0	0.21	mg/L			05/23/24 23:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	510		5.0	3.7	mg/L			05/22/24 20:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 20:18	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			05/10/24 03:04	1
Fluoride (SM 4500 F C)	0.39		0.10	0.056	mg/L			05/30/24 19:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	3.39				ft			05/08/24 08:30	1
Field pH	7.06				SU			05/08/24 08:30	1
Field Temperature	12.4				Degrees C			05/08/24 08:30	1
Oxidation Reduction Potential	-107.0				millivolts			05/08/24 08:30	1
Oxygen, Dissolved	1.60				mg/L			05/08/24 08:30	1
Specific Conductance	957				umhos/cm			05/08/24 08:30	1
Turbidity	22.54				NTU			05/08/24 08:30	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0910-0911
SDG: VER_845_910-911

Client Sample ID: VER_040

Lab Sample ID: 500-250240-16

Date Collected: 05/07/24 12:10

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.84		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:30	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		05/22/24 09:30	05/23/24 13:27	1
Arsenic	0.018		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 13:27	1
Barium	0.027	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 13:27	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 13:27	1
Boron	21	B	0.50	0.13	mg/L		05/22/24 09:30	05/23/24 13:41	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 13:27	1
Calcium	660		2.0	0.44	mg/L		05/22/24 09:30	05/23/24 13:41	10
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 13:27	1
Cobalt	0.0058		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 13:27	1
Lead	0.00025	J	0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 13:27	1
Magnesium	190		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 13:27	1
Molybdenum	0.057		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 13:27	1
Potassium	48		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 13:27	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 13:27	1
Sodium	53		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 13:27	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 13:27	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		05/17/24 11:25	05/20/24 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		1.0	0.12	mg/L			05/24/24 00:30	1
Sulfate (EPA 300.0)	3000		100	21	mg/L			05/24/24 00:45	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	23		5.0	3.7	mg/L			05/21/24 21:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/21/24 21:25	1
Total Dissolved Solids (SM 2540C)	4700		25	11	mg/L			05/14/24 23:39	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			05/28/24 23:43	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	14.08				ft			05/07/24 12:10	1
Field pH	6.47				SU			05/07/24 12:10	1
Field Temperature	15.2				Degrees C			05/07/24 12:10	1
Oxidation Reduction Potential	-76.0				millivolts			05/07/24 12:10	1
Oxygen, Dissolved	0.19				mg/L			05/07/24 12:10	1
Specific Conductance	3796				umhos/cm			05/07/24 12:10	1
Turbidity	2.77				NTU			05/07/24 12:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_040_FD

Lab Sample ID: 500-250240-17

Date Collected: 05/07/24 12:10

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.85		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:33	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		05/22/24 09:30	05/23/24 13:50	1
Arsenic	0.018		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 13:50	1
Barium	0.026	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 13:50	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 13:50	1
Boron	21	B	0.50	0.13	mg/L		05/22/24 09:30	05/23/24 14:01	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 13:50	1
Calcium	640		2.0	0.44	mg/L		05/22/24 09:30	05/23/24 14:01	10
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 13:50	1
Cobalt	0.0059		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 13:50	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 13:50	1
Magnesium	190		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 13:50	1
Molybdenum	0.059		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 13:50	1
Potassium	47		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 13:50	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 13:50	1
Sodium	50		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 13:50	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 13:50	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		05/17/24 11:25	05/20/24 11:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		1.0	0.12	mg/L			05/24/24 01:01	1
Sulfate (EPA 300.0)	3000		100	21	mg/L			05/24/24 01:16	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	31		5.0	3.7	mg/L			05/21/24 21:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/21/24 21:33	1
Total Dissolved Solids (SM 2540C)	4700		25	11	mg/L			05/14/24 23:42	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			05/28/24 23:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	14.08				ft			05/07/24 12:10	1
Field pH	6.47				SU			05/07/24 12:10	1
Field Temperature	15.2				Degrees C			05/07/24 12:10	1
Oxidation Reduction Potential	-76.0				millivolts			05/07/24 12:10	1
Oxygen, Dissolved	0.19				mg/L			05/07/24 12:10	1
Specific Conductance	3796				umhos/cm			05/07/24 12:10	1
Turbidity	2.77				NTU			05/07/24 12:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_041

Lab Sample ID: 500-250240-18

Date Collected: 05/08/24 11:45

Matrix: Water

Date Received: 05/09/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0047	J	0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 14:37	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		05/22/24 09:30	05/23/24 14:13	1
Arsenic	0.013		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 14:13	1
Barium	0.23	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 14:13	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 14:13	1
Boron	3.1	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 14:13	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 14:13	1
Calcium	83		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 14:13	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 14:13	1
Cobalt	0.00046	J	0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 14:13	1
Lead	0.00034	J	0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 14:13	1
Magnesium	39		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 14:13	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 14:13	1
Potassium	2.6		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 14:13	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 14:13	1
Sodium	92	B	0.20	0.077	mg/L		05/22/24 09:30	05/23/24 14:13	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 14:13	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		05/17/24 11:25	05/20/24 11:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	49		5.0	0.58	mg/L			05/24/24 01:46	5
Sulfate (EPA 300.0)	0.27	J	1.0	0.21	mg/L			05/24/24 01:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	560		5.0	3.7	mg/L			05/21/24 21:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/21/24 21:42	1
Total Dissolved Solids (SM 2540C)	660		10	4.3	mg/L			05/10/24 03:12	1
Fluoride (SM 4500 F C)	0.42		0.10	0.056	mg/L			05/28/24 23:52	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	4.80				ft			05/07/24 11:45	1
Field pH	7.19				SU			05/07/24 11:45	1
Field Temperature	14.0				Degrees C			05/07/24 11:45	1
Oxidation Reduction Potential	-112.3				millivolts			05/07/24 11:45	1
Oxygen, Dissolved	0.12				mg/L			05/07/24 11:45	1
Specific Conductance	1128				umhos/cm			05/07/24 11:45	1
Turbidity	24.63				NTU			05/07/24 11:45	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-001
SDG: VER_845_910-911

Client Sample ID: VER_017

Lab Sample ID: 500-250240-27

Date Collected: 05/09/24 08:45

Matrix: Water

Date Received: 05/10/24 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	23		1.0	0.12	mg/L			05/24/24 07:51	1
Sulfate (EPA 300.0)	990		100	21	mg/L			05/29/24 14:05	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	320		5.0	3.7	mg/L			05/22/24 21:51	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 21:51	1
Total Dissolved Solids (SM 2540C)	2000		10	4.3	mg/L			05/14/24 23:52	1
Fluoride (SM 4500 F C)	0.19		0.10	0.056	mg/L			05/30/24 20:12	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_043

Lab Sample ID: 500-250240-28

Date Collected: 05/09/24 08:25

Matrix: Water

Date Received: 05/10/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.0050	0.0020	mg/L		05/23/24 10:40	05/24/24 14:44	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		05/22/24 09:30	05/23/24 15:41	1
Arsenic	0.0095		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 15:41	1
Barium	0.40	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 15:41	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 15:41	1
Boron	1.0	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 15:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 15:41	1
Calcium	96		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 15:41	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 15:41	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 15:41	1
Lead	0.00021	J	0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 15:41	1
Magnesium	53		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 15:41	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 15:41	1
Potassium	5.7		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 15:41	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 15:41	1
Sodium	100	B	0.20	0.077	mg/L		05/22/24 09:30	05/23/24 15:41	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 15:41	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		05/20/24 11:35	05/21/24 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	61		5.0	0.58	mg/L			05/24/24 08:36	5
Sulfate (EPA 300.0)	120		5.0	1.0	mg/L			05/24/24 08:36	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	490	B	5.0	3.7	mg/L			05/22/24 22:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 22:00	1
Total Dissolved Solids (SM 2540C)	790		10	4.3	mg/L			05/14/24 23:55	1
Fluoride (SM 4500 F C)	0.51		0.10	0.056	mg/L			05/30/24 20:16	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.22				ft			05/09/24 08:25	1
Field pH	7.23				SU			05/09/24 08:25	1
Field Temperature	11.8				Degrees C			05/09/24 08:25	1
Oxidation Reduction Potential	-77.9				millivolts			05/09/24 08:25	1
Oxygen, Dissolved	2.27				mg/L			05/09/24 08:25	1
Specific Conductance	1267				umhos/cm			05/09/24 08:25	1
Turbidity	20.99				NTU			05/09/24 08:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_043_FD

Lab Sample ID: 500-250240-29

Date Collected: 05/09/24 08:25

Matrix: Water

Date Received: 05/10/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.0050	0.0020	mg/L		05/23/24 10:40	05/24/24 14:47	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		05/22/24 09:30	05/23/24 15:44	1
Arsenic	0.010		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 15:44	1
Barium	0.41	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 15:44	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 15:44	1
Boron	0.99	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 15:44	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 15:44	1
Calcium	94		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 15:44	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 15:44	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 15:44	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 15:44	1
Magnesium	52		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 15:44	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 15:44	1
Potassium	5.5		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 15:44	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 15:44	1
Sodium	100	B	0.20	0.077	mg/L		05/22/24 09:30	05/23/24 15:44	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 15:44	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		05/20/24 11:35	05/21/24 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	63		5.0	0.58	mg/L			05/24/24 08:51	5
Sulfate (EPA 300.0)	110		5.0	1.0	mg/L			05/24/24 08:51	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	490	B	5.0	3.7	mg/L			05/22/24 22:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 22:10	1
Total Dissolved Solids (SM 2540C)	770		10	4.3	mg/L			05/14/24 23:57	1
Fluoride (SM 4500 F C)	0.51		0.10	0.056	mg/L			05/30/24 20:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.22				ft			05/09/24 08:25	1
Field pH	7.23				SU			05/09/24 08:25	1
Field Temperature	11.8				Degrees C			05/09/24 08:25	1
Oxidation Reduction Potential	-77.9				millivolts			05/09/24 08:25	1
Oxygen, Dissolved	2.27				mg/L			05/09/24 08:25	1
Specific Conductance	1267				umhos/cm			05/09/24 08:25	1
Turbidity	20.99				NTU			05/09/24 08:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_103&

Lab Sample ID: 500-250240-31

Date Collected: 05/09/24 12:35

Matrix: Water

Date Received: 05/10/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.065		0.0050	0.0020	mg/L		05/23/24 10:40	05/24/24 14:55	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		05/22/24 09:30	05/23/24 15:48	1
Arsenic	0.0013		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 15:48	1
Barium	0.015	B	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 15:48	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 15:48	1
Boron	0.29	B	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 15:48	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 15:48	1
Calcium	210		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 15:48	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 15:48	1
Cobalt	0.0032		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 15:48	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 15:48	1
Magnesium	210		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 15:48	1
Molybdenum	0.0041	J	0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 15:48	1
Potassium	1.7		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 15:48	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 15:48	1
Sodium	20	B	0.20	0.077	mg/L		05/22/24 09:30	05/23/24 15:48	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 15:48	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		05/20/24 11:35	05/21/24 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	5.4		1.0	0.12	mg/L			05/24/24 10:07	1
Sulfate (EPA 300.0)	1000		100	21	mg/L			05/24/24 10:22	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380	B	5.0	3.7	mg/L			05/22/24 22:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			05/22/24 22:34	1
Total Dissolved Solids (SM 2540C)	1900		10	4.3	mg/L			05/15/24 00:02	1
Fluoride (SM 4500 F C)	0.26		0.10	0.056	mg/L			05/30/24 20:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	123.28				ft			05/09/24 12:35	1
Field pH	6.99				SU			05/09/24 12:35	1
Field Temperature	13.3				Degrees C			05/09/24 12:35	1
Oxidation Reduction Potential	148.4				millivolts			05/09/24 12:35	1
Oxygen, Dissolved	3.96				mg/L			05/09/24 12:35	1
Specific Conductance	2000				umhos/cm			05/09/24 12:35	1
Turbidity	19.01				NTU			05/09/24 12:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-01
SDG: VER_845_910-911

Client Sample ID: VER_017

Lab Sample ID: 500-250240-36

Date Collected: 05/07/24 13:35

Matrix: Water

Date Received: 05/10/24 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.050		0.0050	0.0020	mg/L		05/23/24 10:40	05/24/24 15:12	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		05/23/24 08:47	05/23/24 17:15	1
Arsenic	0.00027	J	0.0010	0.00023	mg/L		05/23/24 08:47	05/23/24 17:15	1
Barium	0.024		0.0025	0.00073	mg/L		05/23/24 08:47	05/23/24 17:15	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/23/24 08:47	05/23/24 17:15	1
Boron	3.1	B	0.050	0.013	mg/L		05/23/24 08:47	05/24/24 13:44	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/23/24 08:47	05/23/24 17:15	1
Calcium	380		0.20	0.044	mg/L		05/23/24 08:47	05/24/24 12:33	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/23/24 08:47	05/23/24 17:15	1
Cobalt	0.00040	J	0.0010	0.00040	mg/L		05/23/24 08:47	05/23/24 17:15	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/23/24 08:47	05/23/24 17:15	1
Magnesium	110		0.20	0.049	mg/L		05/23/24 08:47	05/23/24 17:15	1
Molybdenum	0.0026	J	0.0050	0.0025	mg/L		05/23/24 08:47	05/23/24 17:15	1
Potassium	4.5		0.50	0.11	mg/L		05/23/24 08:47	05/23/24 17:15	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/23/24 08:47	05/23/24 17:15	1
Sodium	22		0.20	0.077	mg/L		05/23/24 08:47	05/24/24 12:33	1
Thallium	0.0013	J	0.0020	0.00057	mg/L		05/23/24 08:47	05/23/24 17:15	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		05/20/24 11:35	05/21/24 11:28	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	37.63				ft			05/07/24 13:35	1
Field pH	6.64				SU			05/07/24 13:35	1
Field Temperature	13.4				Degrees C			05/07/24 13:35	1
Oxidation Reduction Potential	87.1				millivolts			05/07/24 13:35	1
Oxygen, Dissolved	3.37				mg/L			05/07/24 13:35	1
Specific Conductance	2017				umhos/cm			05/07/24 13:35	1
Turbidity	20.89				NTU			05/07/24 13:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911
SDG: VER_845_910-911

Client Sample ID: VER_ND3 Lab Sample ID: 500-250240-38
Date Collected: 05/06/24 13:35 Matrix: Water
Date Received: 05/09/24 10:30

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			05/06/24 13:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-910-911
SDG: VER_845_910-911

Client Sample ID: VER_OED1 Lab Sample ID: 500-250240-39
Date Collected: 05/06/24 15:25 Matrix: Water
Date Received: 05/09/24 10:30

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	40.47				ft			05/06/24 15:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-910-911
SDG: VER_845_910-911

Client Sample ID: VER_YSG01 Lab Sample ID: 500-250240-40
Date Collected: 05/06/24 16:00 Matrix: Water
Date Received: 05/09/24 10:30

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	16.16				ft			05/06/24 16:00	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_003R

Lab Sample ID: 500-251785-1

Date Collected: 06/06/24 13:15

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0046	J	0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 14:14	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		06/14/24 10:00	06/19/24 16:29	1
Arsenic	0.0046		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 16:29	1
Barium	0.33		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 16:29	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 16:29	1
Boron	29	B	1.0	0.25	mg/L		06/14/24 10:00	06/21/24 10:44	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 16:29	1
Calcium	180		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 16:29	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 16:29	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 16:29	1
Lead	0.00046	J	0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 16:29	1
Magnesium	64		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 16:29	1
Molybdenum	0.39		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 16:29	1
Potassium	2.8		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 16:29	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 16:29	1
Sodium	100		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 16:29	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 16:29	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		06/17/24 18:00	06/18/24 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	26		1.0	0.12	mg/L			06/13/24 16:15	1
Sulfate (EPA 300.0)	640		20	4.1	mg/L			06/13/24 16:30	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		5.0	3.7	mg/L			06/19/24 17:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 17:07	1
Total Dissolved Solids (SM 2540C)	1400		10	4.3	mg/L			06/09/24 22:02	1
Fluoride (SM 4500 F C)	0.43		0.10	0.056	mg/L			06/21/24 11:52	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.84				ft			06/06/24 13:15	1
Field pH	7.02				SU			06/06/24 13:15	1
Field Temperature	22.14				Degrees C			06/06/24 13:15	1
Oxidation Reduction Potential	167				millivolts			06/06/24 13:15	1
Oxygen, Dissolved	6.89				mg/L			06/06/24 13:15	1
Specific Conductance	1840				umhos/cm			06/06/24 13:15	1
Turbidity	77.2				NTU			06/06/24 13:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-251785-2

Date Collected: 06/06/24 13:15

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0040	J	0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 14:18	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		06/14/24 10:00	06/19/24 16:36	1
Arsenic	0.0039		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 16:36	1
Barium	0.32		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 16:36	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 16:36	1
Boron	29	B	1.0	0.25	mg/L		06/14/24 10:00	06/21/24 10:46	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 16:36	1
Calcium	180		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 16:36	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 16:36	1
Cobalt	0.00041	J	0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 16:36	1
Lead	0.00025	J	0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 16:36	1
Magnesium	63		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 16:36	1
Molybdenum	0.38		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 16:36	1
Potassium	2.7		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 16:36	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 16:36	1
Sodium	100		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 16:36	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 16:36	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		06/17/24 18:00	06/18/24 07:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	26		1.0	0.12	mg/L			06/13/24 16:46	1
Sulfate (EPA 300.0)	630		20	4.1	mg/L			06/13/24 17:02	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		5.0	3.7	mg/L			06/19/24 17:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 17:16	1
Total Dissolved Solids (SM 2540C)	1400		10	4.3	mg/L			06/09/24 22:05	1
Fluoride (SM 4500 F C)	0.41		0.10	0.056	mg/L			06/21/24 12:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.84				ft			06/06/24 13:15	1
Field pH	7.02				SU			06/06/24 13:15	1
Field Temperature	22.14				Degrees C			06/06/24 13:15	1
Oxidation Reduction Potential	167				millivolts			06/06/24 13:15	1
Oxygen, Dissolved	6.89				mg/L			06/06/24 13:15	1
Specific Conductance	1840				umhos/cm			06/06/24 13:15	1
Turbidity	77.2				NTU			06/06/24 13:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_005

Lab Sample ID: 500-251785-3

Date Collected: 06/06/24 15:35

Matrix: Water

Date Received: 06/07/24 09:45

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		06/14/24 10:00	06/18/24 14:22	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		06/14/24 10:00	06/19/24 16:44	1
Arsenic	0.00029	J	0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 16:44	1
Barium	0.028		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 16:44	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 16:44	1
Boron	17	B	1.0	0.25	mg/L		06/14/24 10:00	06/21/24 10:49	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 16:44	1
Calcium	120		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 16:44	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 16:44	1
Cobalt	0.00073	J	0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 16:44	1
Lead	0.00019	J	0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 16:44	1
Magnesium	25		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 16:44	1
Molybdenum	0.042		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 16:44	1
Potassium	11		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 16:44	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 16:44	1
Sodium	25		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 16:44	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 16:44	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		06/17/24 18:00	06/18/24 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	8.0		1.0	0.12	mg/L			06/13/24 17:17	1
Sulfate (EPA 300.0)	250		10	2.1	mg/L			06/13/24 17:33	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	200		5.0	3.7	mg/L			06/19/24 17:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 17:26	1
Total Dissolved Solids (SM 2540C)	560		10	4.3	mg/L			06/09/24 22:07	1
Fluoride (SM 4500 F C)	0.61		0.10	0.056	mg/L			06/21/24 12:24	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	7.29				ft			06/06/24 15:35	1
Field pH	7.76				SU			06/06/24 15:35	1
Field Temperature	13.99				Degrees C			06/06/24 15:35	1
Oxidation Reduction Potential	187				millivolts			06/06/24 15:35	1
Oxygen, Dissolved	4.12				mg/L			06/06/24 15:35	1
Specific Conductance	851				umhos/cm			06/06/24 15:35	1
Turbidity	39.1				NTU			06/06/24 15:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_008R

Lab Sample ID: 500-251785-4

Date Collected: 06/06/24 14:20

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.37		0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 14:27	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		06/14/24 10:00	06/19/24 16:50	1
Arsenic	0.033		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 16:50	1
Barium	0.068		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 16:50	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 16:50	1
Boron	35	B	1.0	0.25	mg/L		06/14/24 10:00	06/21/24 10:51	20
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 16:50	1
Calcium	270		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 16:50	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 16:50	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 16:50	1
Lead	<0.00050		0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 16:50	1
Magnesium	28		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 16:50	1
Molybdenum	0.34		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 16:50	1
Potassium	20		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 16:50	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 16:50	1
Sodium	35		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 16:50	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 16:50	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		06/17/24 18:00	06/18/24 07:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	5.7		1.0	0.12	mg/L			06/13/24 17:48	1
Sulfate (EPA 300.0)	760		20	4.1	mg/L			06/13/24 18:04	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	130		5.0	3.7	mg/L			06/19/24 17:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 17:34	1
Total Dissolved Solids (SM 2540C)	1300		10	4.3	mg/L			06/09/24 22:10	1
Fluoride (SM 4500 F C)	0.060	J	0.10	0.056	mg/L			06/21/24 12:29	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	12.14				ft			06/06/24 14:20	1
Field pH	7.48				SU			06/06/24 14:20	1
Field Temperature	13.40				Degrees C			06/06/24 14:20	1
Oxidation Reduction Potential	132				millivolts			06/06/24 14:20	1
Oxygen, Dissolved	4.84				mg/L			06/06/24 14:20	1
Specific Conductance	981				umhos/cm			06/06/24 14:20	1
Turbidity	67.6				NTU			06/06/24 14:20	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_020

Lab Sample ID: 500-251785-7

Date Collected: 06/06/24 14:35

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.023		0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 14:39	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		06/14/24 10:00	06/19/24 17:05	1
Arsenic	0.00050	J	0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 17:05	1
Barium	0.020		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 17:05	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 17:05	1
Boron	1.9	B	0.050	0.013	mg/L		06/14/24 10:00	06/21/24 10:57	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 17:05	1
Calcium	96		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 17:05	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 17:05	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 17:05	1
Lead	<0.00050		0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 17:05	1
Magnesium	38		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 17:05	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 17:05	1
Potassium	1.0		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 17:05	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 17:05	1
Sodium	10		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 17:05	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 17:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00014	J	0.00020	0.000076	mg/L		06/17/24 18:00	06/18/24 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	4.0		1.0	0.12	mg/L			06/13/24 19:22	1
Sulfate (EPA 300.0)	85		10	2.1	mg/L			06/13/24 19:38	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	310		5.0	3.7	mg/L			06/19/24 18:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 18:03	1
Total Dissolved Solids (SM 2540C)	520		10	4.3	mg/L			06/09/24 22:18	1
Fluoride (SM 4500 F C)	0.075	J	0.10	0.056	mg/L			06/21/24 12:43	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	13.83				ft			06/06/24 14:35	1
Field pH	7.61				SU			06/06/24 14:35	1
Field Temperature	17.92				Degrees C			06/06/24 14:35	1
Oxidation Reduction Potential	181				millivolts			06/06/24 14:35	1
Oxygen, Dissolved	1.18				mg/L			06/06/24 14:35	1
Specific Conductance	736				umhos/cm			06/06/24 14:35	1
Turbidity	35.9				NTU			06/06/24 14:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_021

Lab Sample ID: 500-251785-8

Date Collected: 06/06/24 16:05

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0026	J F2 F1	0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 14:43	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		06/14/24 10:00	06/19/24 17:07	1
Arsenic	0.047		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 17:07	1
Barium	0.13		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 17:07	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 17:07	1
Boron	0.85	B	0.050	0.013	mg/L		06/14/24 10:00	06/21/24 10:59	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 17:07	1
Calcium	85		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 17:07	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 17:07	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 17:07	1
Lead	<0.00050		0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 17:07	1
Magnesium	35		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 17:07	1
Molybdenum	0.0030	J	0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 17:07	1
Potassium	2.2		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 17:07	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 17:07	1
Sodium	51		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 17:07	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 17:07	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		06/17/24 18:00	06/18/24 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	2.4		1.0	0.12	mg/L			06/13/24 19:53	1
Sulfate (EPA 300.0)	82		10	2.1	mg/L			06/13/24 20:40	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	370		5.0	3.7	mg/L			06/19/24 18:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 18:16	1
Total Dissolved Solids (SM 2540C)	660		10	4.3	mg/L			06/09/24 22:23	1
Fluoride (SM 4500 F C)	0.92		0.10	0.056	mg/L			06/21/24 11:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	91.92				ft			06/06/24 16:05	1
Field pH	8.11				SU			06/06/24 16:05	1
Field Temperature	14.92				Degrees C			06/06/24 16:05	1
Oxidation Reduction Potential	35				millivolts			06/06/24 16:05	1
Oxygen, Dissolved	0.31				mg/L			06/06/24 16:05	1
Specific Conductance	815				umhos/cm			06/06/24 16:05	1
Turbidity	3.1				NTU			06/06/24 16:05	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911-0911
SDG: VER_845_910-911

Client Sample ID: VER_042

Lab Sample ID: 500-251785-12

Date Collected: 06/06/24 13:15

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0030	J F2 F1	0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 15:21	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		06/14/24 10:00	06/19/24 17:28	1
Arsenic	0.020		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 17:28	1
Barium	0.16		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 17:28	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 17:28	1
Boron	0.70	B	0.050	0.013	mg/L		06/14/24 10:00	06/21/24 12:19	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 17:28	1
Calcium	96		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 17:28	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 17:28	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 17:28	1
Lead	<0.00050		0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 17:28	1
Magnesium	53		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 17:28	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 17:28	1
Potassium	2.7		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 17:28	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 17:28	1
Sodium	61		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 17:28	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 17:28	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		06/17/24 18:00	06/18/24 08:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	18		1.0	0.12	mg/L			06/13/24 23:17	1
Sulfate (EPA 300.0)	71	F1 F2	5.0	1.0	mg/L			06/14/24 00:03	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	460		5.0	3.7	mg/L			06/19/24 18:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 18:43	1
Total Dissolved Solids (SM 2540C)	570		10	4.3	mg/L			06/10/24 20:57	1
Fluoride (SM 4500 F C)	0.59		0.10	0.056	mg/L			06/26/24 14:39	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	24.74				ft			06/06/24 13:15	1
Field pH	7.85				SU			06/06/24 13:15	1
Field Temperature	13.09				Degrees C			06/06/24 13:15	1
Oxidation Reduction Potential	42				millivolts			06/06/24 13:15	1
Oxygen, Dissolved	0.98				mg/L			06/06/24 13:15	1
Specific Conductance	1110				umhos/cm			06/06/24 13:15	1
Turbidity	3.1				NTU			06/06/24 13:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client Sample ID: VER_101&

Lab Sample ID: 500-251785-15

Date Collected: 06/06/24 17:40

Matrix: Water

Date Received: 06/07/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.030		0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 15:54	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		06/14/24 10:00	06/19/24 17:47	1
Arsenic	0.047		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 17:47	1
Barium	0.11		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 17:47	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 17:47	1
Boron	2.1	B	0.25	0.064	mg/L		06/14/24 10:00	06/21/24 12:43	5
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 17:47	1
Calcium	88		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 17:47	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 17:47	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 17:47	1
Lead	<0.00050		0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 17:47	1
Magnesium	51		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 17:47	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 17:47	1
Potassium	3.6		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 17:47	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 17:47	1
Sodium	110		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 17:47	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 17:47	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		06/17/24 18:00	06/18/24 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	32		1.0	0.12	mg/L			06/14/24 02:24	1
Sulfate (EPA 300.0)	190		10	2.1	mg/L			06/14/24 02:40	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	450		5.0	3.7	mg/L			06/19/24 19:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			06/19/24 19:13	1
Total Dissolved Solids (SM 2540C)	810		10	4.3	mg/L			06/10/24 21:13	1
Fluoride (SM 4500 F C)	0.67		0.10	0.056	mg/L			06/21/24 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)	>100				ft			06/06/24 17:40	1
Field pH	8.16				SU			06/06/24 17:40	1
Field Temperature	17.25				Degrees C			06/06/24 17:40	1
Oxidation Reduction Potential	59				millivolts			06/06/24 17:40	1
Oxygen, Dissolved	0.55				mg/L			06/06/24 17:40	1
Specific Conductance	1340				umhos/cm			06/06/24 17:40	1
Turbidity	7.8				NTU			06/06/24 17:40	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
Version: 1.001
SDG: VER_845_910-911

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
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
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.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals

Prep Batch: 768461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total Recoverable	Water	200.7	
500-250240-2	VER_004	Total Recoverable	Water	200.7	
500-250240-4	VER_007R	Total Recoverable	Water	200.7	
500-250240-10	VER_034	Total Recoverable	Water	200.7	
500-250240-12	VER_036	Total Recoverable	Water	200.7	
500-250240-13	VER_036_FD	Total Recoverable	Water	200.7	
500-250240-14	VER_037	Total Recoverable	Water	200.7	
500-250240-15	VER_038	Total Recoverable	Water	200.7	
500-250240-16	VER_040	Total Recoverable	Water	200.7	
500-250240-17	VER_040_FD	Total Recoverable	Water	200.7	
500-250240-18	VER_041	Total Recoverable	Water	200.7	
MB 500-768461/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-768461/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 768486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	7470A	
500-250240-2	VER_004	Total/NA	Water	7470A	
500-250240-4	VER_007R	Total/NA	Water	7470A	
500-250240-10	VER_034	Total/NA	Water	7470A	
MB 500-768486/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-768486/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 768493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-12	VER_036	Total/NA	Water	7470A	
500-250240-13	VER_036_FD	Total/NA	Water	7470A	
500-250240-14	VER_037	Total/NA	Water	7470A	
500-250240-15	VER_038	Total/NA	Water	7470A	
500-250240-16	VER_040	Total/NA	Water	7470A	
500-250240-17	VER_040_FD	Total/NA	Water	7470A	
500-250240-18	VER_041	Total/NA	Water	7470A	
MB 500-768493/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-768493/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 768718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-28	VER_043	Total/NA	Water	7470A	
500-250240-29	VER_043_FD	Total/NA	Water	7470A	
500-250240-31	VER_103&	Total/NA	Water	7470A	
500-250240-36	VER_017	Total/NA	Water	7470A	
MB 500-768718/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-768718/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 768726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	7470A	768486
500-250240-2	VER_004	Total/NA	Water	7470A	768486
500-250240-4	VER_007R	Total/NA	Water	7470A	768486
500-250240-10	VER_034	Total/NA	Water	7470A	768486
500-250240-12	VER_036	Total/NA	Water	7470A	768493

Eurofins Chicago

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 768726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-13	VER_036_FD	Total/NA	Water	7470A	768493
500-250240-14	VER_037	Total/NA	Water	7470A	768493
500-250240-15	VER_038	Total/NA	Water	7470A	768493
500-250240-16	VER_040	Total/NA	Water	7470A	768493
500-250240-17	VER_040_FD	Total/NA	Water	7470A	768493
500-250240-18	VER_041	Total/NA	Water	7470A	768493
MB 500-768486/12-A	Method Blank	Total/NA	Water	7470A	768486
MB 500-768493/12-A	Method Blank	Total/NA	Water	7470A	768493
LCS 500-768486/13-A	Lab Control Sample	Total/NA	Water	7470A	768486
LCS 500-768493/13-A	Lab Control Sample	Total/NA	Water	7470A	768493

Analysis Batch: 768845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-2	VER_004	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-4	VER_007R	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-10	VER_034	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-12	VER_036	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-13	VER_036_FD	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-14	VER_037	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-15	VER_038	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-16	VER_040	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-17	VER_040_FD	Total Recoverable	Water	200.7 Rev 4.4	768461
500-250240-18	VER_041	Total Recoverable	Water	200.7 Rev 4.4	768461
MB 500-768461/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	768461
LCS 500-768461/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	768461

Analysis Batch: 768920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-28	VER_043	Total/NA	Water	7470A	768718
500-250240-29	VER_043_FD	Total/NA	Water	7470A	768718
500-250240-31	VER_103&	Total/NA	Water	7470A	768718
500-250240-36	VER_017	Total/NA	Water	7470A	768718
MB 500-768718/12-A	Method Blank	Total/NA	Water	7470A	768718
LCS 500-768718/13-A	Lab Control Sample	Total/NA	Water	7470A	768718

Prep Batch: 769084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total Recoverable	Water	3005A	
500-250240-2	VER_004	Total Recoverable	Water	3005A	
500-250240-4	VER_007R	Total Recoverable	Water	3005A	
500-250240-10	VER_034	Total Recoverable	Water	3005A	
500-250240-12	VER_036	Total Recoverable	Water	3005A	
500-250240-13	VER_036_FD	Total Recoverable	Water	3005A	
500-250240-14	VER_037	Total Recoverable	Water	3005A	
500-250240-15	VER_038	Total Recoverable	Water	3005A	
500-250240-16	VER_040	Total Recoverable	Water	3005A	
500-250240-17	VER_040_FD	Total Recoverable	Water	3005A	
MB 500-769084/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-769084/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals

Prep Batch: 769085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-18	VER_041	Total Recoverable	Water	3005A	
500-250240-28	VER_043	Total Recoverable	Water	3005A	
500-250240-29	VER_043_FD	Total Recoverable	Water	3005A	
500-250240-31	VER_103&	Total Recoverable	Water	3005A	
MB 500-769085/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-769085/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 769270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-36	VER_017	Total Recoverable	Water	3005A	
MB 500-769270/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-769270/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 769315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-28	VER_043	Total Recoverable	Water	200.7	
500-250240-29	VER_043_FD	Total Recoverable	Water	200.7	
500-250240-31	VER_103&	Total Recoverable	Water	200.7	
500-250240-36	VER_017	Total Recoverable	Water	200.7	
MB 500-769315/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-769315/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 769360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total Recoverable	Water	6020B	769084
500-250240-2	VER_004	Total Recoverable	Water	6020B	769084
500-250240-2	VER_004	Total Recoverable	Water	6020B	769084
500-250240-4	VER_007R	Total Recoverable	Water	6020B	769084
500-250240-4	VER_007R	Total Recoverable	Water	6020B	769084
500-250240-10	VER_034	Total Recoverable	Water	6020B	769084
500-250240-12	VER_036	Total Recoverable	Water	6020B	769084
500-250240-12	VER_036	Total Recoverable	Water	6020B	769084
500-250240-13	VER_036_FD	Total Recoverable	Water	6020B	769084
500-250240-13	VER_036_FD	Total Recoverable	Water	6020B	769084
500-250240-14	VER_037	Total Recoverable	Water	6020B	769084
500-250240-15	VER_038	Total Recoverable	Water	6020B	769084
500-250240-16	VER_040	Total Recoverable	Water	6020B	769084
500-250240-16	VER_040	Total Recoverable	Water	6020B	769084
MB 500-769084/1-A	Method Blank	Total Recoverable	Water	6020B	769084
LCS 500-769084/2-A	Lab Control Sample	Total Recoverable	Water	6020B	769084

Analysis Batch: 769505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-17	VER_040_FD	Total Recoverable	Water	6020B	769084
500-250240-17	VER_040_FD	Total Recoverable	Water	6020B	769084
500-250240-18	VER_041	Total Recoverable	Water	6020B	769085
500-250240-28	VER_043	Total Recoverable	Water	6020B	769085
500-250240-29	VER_043_FD	Total Recoverable	Water	6020B	769085
500-250240-31	VER_103&	Total Recoverable	Water	6020B	769085
500-250240-36	VER_017	Total Recoverable	Water	6020B	769270
MB 500-769085/1-A	Method Blank	Total Recoverable	Water	6020B	769085

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 769505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-769270/1-A	Method Blank	Total Recoverable	Water	6020B	769270
LCS 500-769085/2-A	Lab Control Sample	Total Recoverable	Water	6020B	769085
LCS 500-769270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	769270

Analysis Batch: 769566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-36	VER_017	Total Recoverable	Water	6020B	769270
500-250240-36	VER_017	Total Recoverable	Water	6020B	769270
MB 500-769270/1-A	Method Blank	Total Recoverable	Water	6020B	769270
LCS 500-769085/2-A	Lab Control Sample	Total Recoverable	Water	6020B	769085
LCS 500-769270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	769270

Analysis Batch: 769760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-28	VER_043	Total Recoverable	Water	200.7 Rev 4.4	769315
500-250240-29	VER_043_FD	Total Recoverable	Water	200.7 Rev 4.4	769315
500-250240-31	VER_103&	Total Recoverable	Water	200.7 Rev 4.4	769315
500-250240-36	VER_017	Total Recoverable	Water	200.7 Rev 4.4	769315
MB 500-769315/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	769315
LCS 500-769315/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	769315

Prep Batch: 772668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total Recoverable	Water	3005A	
500-251785-2	VER_003R_FD	Total Recoverable	Water	3005A	
500-251785-3	VER_005	Total Recoverable	Water	3005A	
500-251785-4	VER_008R	Total Recoverable	Water	3005A	
500-251785-7	VER_020	Total Recoverable	Water	3005A	
500-251785-8	VER_021	Total Recoverable	Water	3005A	
500-251785-12	VER_042	Total Recoverable	Water	3005A	
500-251785-15	VER_101&	Total Recoverable	Water	3005A	
MB 500-772668/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-772668/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-251785-8 MS	VER_021	Total Recoverable	Water	3005A	
500-251785-8 MSD	VER_021	Total Recoverable	Water	3005A	
500-251785-12 MS	VER_042	Total Recoverable	Water	3005A	
500-251785-12 MSD	VER_042	Total Recoverable	Water	3005A	
500-251785-8 DU	VER_021	Total Recoverable	Water	3005A	
500-251785-12 DU	VER_042	Total Recoverable	Water	3005A	

Prep Batch: 772671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total Recoverable	Water	200.7	
500-251785-2	VER_003R_FD	Total Recoverable	Water	200.7	
500-251785-3	VER_005	Total Recoverable	Water	200.7	
500-251785-4	VER_008R	Total Recoverable	Water	200.7	
500-251785-7	VER_020	Total Recoverable	Water	200.7	
500-251785-8	VER_021	Total Recoverable	Water	200.7	
500-251785-12	VER_042	Total Recoverable	Water	200.7	
500-251785-15	VER_101&	Total Recoverable	Water	200.7	
MB 500-772671/1-A	Method Blank	Total Recoverable	Water	200.7	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals (Continued)

Prep Batch: 772671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-772671/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-251785-8 MS	VER_021	Total Recoverable	Water	200.7	
500-251785-12 MS	VER_042	Total Recoverable	Water	200.7	
500-251785-8 DU	VER_021	Total Recoverable	Water	200.7	
500-251785-12 DU	VER_042	Total Recoverable	Water	200.7	

Prep Batch: 772870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-772870/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-772870/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-251785-8 MSD	VER_021	Total Recoverable	Water	200.7	
500-251785-12 MSD	VER_042	Total Recoverable	Water	200.7	

Prep Batch: 772904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	7470A	
500-251785-2	VER_003R_FD	Total/NA	Water	7470A	
500-251785-3	VER_005	Total/NA	Water	7470A	
500-251785-4	VER_008R	Total/NA	Water	7470A	
500-251785-7	VER_020	Total/NA	Water	7470A	
500-251785-8	VER_021	Total/NA	Water	7470A	
500-251785-12	VER_042	Total/NA	Water	7470A	
500-251785-15	VER_101&	Total/NA	Water	7470A	
MB 500-772904/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-772904/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-251785-8 MS	VER_021	Total/NA	Water	7470A	
500-251785-8 MSD	VER_021	Total/NA	Water	7470A	
500-251785-12 MS	VER_042	Total/NA	Water	7470A	
500-251785-12 MSD	VER_042	Total/NA	Water	7470A	
500-251785-8 DU	VER_021	Total/NA	Water	7470A	
500-251785-12 DU	VER_042	Total/NA	Water	7470A	

Analysis Batch: 773036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	7470A	772904
500-251785-2	VER_003R_FD	Total/NA	Water	7470A	772904
500-251785-3	VER_005	Total/NA	Water	7470A	772904
500-251785-4	VER_008R	Total/NA	Water	7470A	772904
500-251785-7	VER_020	Total/NA	Water	7470A	772904
500-251785-8	VER_021	Total/NA	Water	7470A	772904
500-251785-12	VER_042	Total/NA	Water	7470A	772904
500-251785-15	VER_101&	Total/NA	Water	7470A	772904
MB 500-772904/12-A	Method Blank	Total/NA	Water	7470A	772904
LCS 500-772904/13-A	Lab Control Sample	Total/NA	Water	7470A	772904
500-251785-8 MS	VER_021	Total/NA	Water	7470A	772904
500-251785-8 MSD	VER_021	Total/NA	Water	7470A	772904
500-251785-12 MS	VER_042	Total/NA	Water	7470A	772904
500-251785-12 MSD	VER_042	Total/NA	Water	7470A	772904
500-251785-8 DU	VER_021	Total/NA	Water	7470A	772904
500-251785-12 DU	VER_042	Total/NA	Water	7470A	772904

Eurofins Chicago

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals

Analysis Batch: 773200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-2	VER_003R_FD	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-3	VER_005	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-4	VER_008R	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-7	VER_020	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-8	VER_021	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-12	VER_042	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-15	VER_101&	Total Recoverable	Water	200.7 Rev 4.4	772671
MB 500-772671/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	772671
MB 500-772870/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	772870
LCS 500-772671/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	772671
LCS 500-772870/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	772870
500-251785-8 MS	VER_021	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-8 MSD	VER_021	Total Recoverable	Water	200.7 Rev 4.4	772870
500-251785-12 MS	VER_042	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-12 MSD	VER_042	Total Recoverable	Water	200.7 Rev 4.4	772870
500-251785-8 DU	VER_021	Total Recoverable	Water	200.7 Rev 4.4	772671
500-251785-12 DU	VER_042	Total Recoverable	Water	200.7 Rev 4.4	772671

Analysis Batch: 773422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total Recoverable	Water	6020B	772668
500-251785-2	VER_003R_FD	Total Recoverable	Water	6020B	772668
500-251785-3	VER_005	Total Recoverable	Water	6020B	772668
500-251785-4	VER_008R	Total Recoverable	Water	6020B	772668
500-251785-7	VER_020	Total Recoverable	Water	6020B	772668
500-251785-8	VER_021	Total Recoverable	Water	6020B	772668
500-251785-12	VER_042	Total Recoverable	Water	6020B	772668
500-251785-15	VER_101&	Total Recoverable	Water	6020B	772668
MB 500-772668/1-A	Method Blank	Total Recoverable	Water	6020B	772668
LCS 500-772668/2-A	Lab Control Sample	Total Recoverable	Water	6020B	772668
500-251785-8 MS	VER_021	Total Recoverable	Water	6020B	772668
500-251785-8 MSD	VER_021	Total Recoverable	Water	6020B	772668
500-251785-12 MS	VER_042	Total Recoverable	Water	6020B	772668
500-251785-12 MSD	VER_042	Total Recoverable	Water	6020B	772668
500-251785-8 DU	VER_021	Total Recoverable	Water	6020B	772668
500-251785-12 DU	VER_042	Total Recoverable	Water	6020B	772668

Analysis Batch: 773696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total Recoverable	Water	6020B	772668
500-251785-2	VER_003R_FD	Total Recoverable	Water	6020B	772668
500-251785-3	VER_005	Total Recoverable	Water	6020B	772668
500-251785-4	VER_008R	Total Recoverable	Water	6020B	772668
500-251785-7	VER_020	Total Recoverable	Water	6020B	772668
500-251785-8	VER_021	Total Recoverable	Water	6020B	772668
500-251785-12	VER_042	Total Recoverable	Water	6020B	772668
500-251785-15	VER_101&	Total Recoverable	Water	6020B	772668
MB 500-772668/1-A	Method Blank	Total Recoverable	Water	6020B	772668
LCS 500-772668/2-A	Lab Control Sample	Total Recoverable	Water	6020B	772668
500-251785-8 MS	VER_021	Total Recoverable	Water	6020B	772668

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Metals (Continued)

Analysis Batch: 773696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-8 MSD	VER_021	Total Recoverable	Water	6020B	772668
500-251785-12 MS	VER_042	Total Recoverable	Water	6020B	772668
500-251785-12 MSD	VER_042	Total Recoverable	Water	6020B	772668
500-251785-8 DU	VER_021	Total Recoverable	Water	6020B	772668
500-251785-12 DU	VER_042	Total Recoverable	Water	6020B	772668

General Chemistry

Analysis Batch: 767316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	SM 2540C	
500-250240-2	VER_004	Total/NA	Water	SM 2540C	
500-250240-4	VER_007R	Total/NA	Water	SM 2540C	
500-250240-10	VER_034	Total/NA	Water	SM 2540C	
MB 500-767316/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-767316/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 767317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-12	VER_036	Total/NA	Water	SM 2540C	
500-250240-13	VER_036_FD	Total/NA	Water	SM 2540C	
500-250240-14	VER_037	Total/NA	Water	SM 2540C	
500-250240-15	VER_038	Total/NA	Water	SM 2540C	
500-250240-18	VER_041	Total/NA	Water	SM 2540C	
MB 500-767317/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-767317/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-250240-12 MS	VER_036	Total/NA	Water	SM 2540C	
500-250240-12 DU	VER_036	Total/NA	Water	SM 2540C	
500-250240-13 DU	VER_036_FD	Total/NA	Water	SM 2540C	

Analysis Batch: 767933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-16	VER_040	Total/NA	Water	SM 2540C	
500-250240-17	VER_040_FD	Total/NA	Water	SM 2540C	
500-250240-27	VER_017	Total/NA	Water	SM 2540C	
500-250240-28	VER_043	Total/NA	Water	SM 2540C	
500-250240-29	VER_043_FD	Total/NA	Water	SM 2540C	
500-250240-31	VER_103&	Total/NA	Water	SM 2540C	
MB 500-767933/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-767933/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 769064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-4	VER_007R	Total/NA	Water	SM 2320B	
500-250240-10	VER_034	Total/NA	Water	SM 2320B	
500-250240-16	VER_040	Total/NA	Water	SM 2320B	
500-250240-17	VER_040_FD	Total/NA	Water	SM 2320B	
500-250240-18	VER_041	Total/NA	Water	SM 2320B	
MB 500-769064/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-769064/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-769064/29	Lab Control Sample	Total/NA	Water	SM 2320B	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 769064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-769064/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 769121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	300.0	
MB 500-769121/34	Method Blank	Total/NA	Water	300.0	
MB 500-769121/71	Method Blank	Total/NA	Water	300.0	
LCS 500-769121/35	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-769121/72	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 769294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	SM 2320B	
500-250240-2	VER_004	Total/NA	Water	SM 2320B	
500-250240-12	VER_036	Total/NA	Water	SM 2320B	
500-250240-14	VER_037	Total/NA	Water	SM 2320B	
500-250240-15	VER_038	Total/NA	Water	SM 2320B	
500-250240-27	VER_017	Total/NA	Water	SM 2320B	
500-250240-28	VER_043	Total/NA	Water	SM 2320B	
500-250240-29	VER_043_FD	Total/NA	Water	SM 2320B	
500-250240-31	VER_103&	Total/NA	Water	SM 2320B	
MB 500-769294/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-769294/78	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-769294/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-769294/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 769344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-2	VER_004	Total/NA	Water	300.0	
500-250240-4	VER_007R	Total/NA	Water	300.0	
500-250240-4	VER_007R	Total/NA	Water	300.0	
500-250240-10	VER_034	Total/NA	Water	300.0	
500-250240-12	VER_036	Total/NA	Water	300.0	
500-250240-12	VER_036	Total/NA	Water	300.0	
500-250240-13	VER_036_FD	Total/NA	Water	300.0	
500-250240-13	VER_036_FD	Total/NA	Water	300.0	
500-250240-14	VER_037	Total/NA	Water	300.0	
500-250240-14	VER_037	Total/NA	Water	300.0	
500-250240-15	VER_038	Total/NA	Water	300.0	
500-250240-16	VER_040	Total/NA	Water	300.0	
500-250240-16	VER_040	Total/NA	Water	300.0	
500-250240-17	VER_040_FD	Total/NA	Water	300.0	
500-250240-17	VER_040_FD	Total/NA	Water	300.0	
500-250240-18	VER_041	Total/NA	Water	300.0	
500-250240-18	VER_041	Total/NA	Water	300.0	
500-250240-27	VER_017	Total/NA	Water	300.0	
500-250240-28	VER_043	Total/NA	Water	300.0	
500-250240-29	VER_043_FD	Total/NA	Water	300.0	
500-250240-31	VER_103&	Total/NA	Water	300.0	
500-250240-31	VER_103&	Total/NA	Water	300.0	
MB 500-769344/3	Method Blank	Total/NA	Water	300.0	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 769344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-769344/55	Method Blank	Total/NA	Water	300.0	
LCS 500-769344/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-769344/56	Lab Control Sample	Total/NA	Water	300.0	
500-250240-27 MS	VER_017	Total/NA	Water	300.0	
500-250240-27 MSD	VER_017	Total/NA	Water	300.0	

Analysis Batch: 769984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-27	VER_017	Total/NA	Water	300.0	
MB 500-769984/3	Method Blank	Total/NA	Water	300.0	
LCS 500-769984/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 769992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-769992/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-769992/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 769993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-4	VER_007R	Total/NA	Water	SM 4500 F C	
500-250240-10	VER_034	Total/NA	Water	SM 4500 F C	
500-250240-16	VER_040	Total/NA	Water	SM 4500 F C	
500-250240-17	VER_040_FD	Total/NA	Water	SM 4500 F C	
500-250240-18	VER_041	Total/NA	Water	SM 4500 F C	
MB 500-769993/23	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-769993/24	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 770352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	SM 4500 F C	
500-250240-2	VER_004	Total/NA	Water	SM 4500 F C	
500-250240-12	VER_036	Total/NA	Water	SM 4500 F C	
500-250240-13	VER_036_FD	Total/NA	Water	SM 4500 F C	
500-250240-14	VER_037	Total/NA	Water	SM 4500 F C	
500-250240-15	VER_038	Total/NA	Water	SM 4500 F C	
500-250240-27	VER_017	Total/NA	Water	SM 4500 F C	
500-250240-28	VER_043	Total/NA	Water	SM 4500 F C	
500-250240-29	VER_043_FD	Total/NA	Water	SM 4500 F C	
500-250240-31	VER_103&	Total/NA	Water	SM 4500 F C	
MB 500-770352/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-770352/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 770813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-13	VER_036_FD	Total/NA	Water	SM 2320B	
MB 500-770813/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-770813/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 771692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

General Chemistry (Continued)

Analysis Batch: 771692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-2	VER_003R_FD	Total/NA	Water	SM 2540C	
500-251785-3	VER_005	Total/NA	Water	SM 2540C	
500-251785-4	VER_008R	Total/NA	Water	SM 2540C	
500-251785-7	VER_020	Total/NA	Water	SM 2540C	
500-251785-8	VER_021	Total/NA	Water	SM 2540C	
MB 500-771692/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-771692/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-251785-8 MS	VER_021	Total/NA	Water	SM 2540C	
500-251785-8 MSD	VER_021	Total/NA	Water	SM 2540C	
500-251785-7 DU	VER_020	Total/NA	Water	SM 2540C	

Analysis Batch: 771878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-12	VER_042	Total/NA	Water	SM 2540C	
500-251785-15	VER_101&	Total/NA	Water	SM 2540C	
MB 500-771878/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-771878/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-251785-12 MS	VER_042	Total/NA	Water	SM 2540C	
500-251785-12 MSD	VER_042	Total/NA	Water	SM 2540C	

Analysis Batch: 772471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	300.0	
500-251785-1	VER_003R	Total/NA	Water	300.0	
500-251785-2	VER_003R_FD	Total/NA	Water	300.0	
500-251785-2	VER_003R_FD	Total/NA	Water	300.0	
500-251785-3	VER_005	Total/NA	Water	300.0	
500-251785-3	VER_005	Total/NA	Water	300.0	
500-251785-4	VER_008R	Total/NA	Water	300.0	
500-251785-4	VER_008R	Total/NA	Water	300.0	
500-251785-7	VER_020	Total/NA	Water	300.0	
500-251785-7	VER_020	Total/NA	Water	300.0	
500-251785-8	VER_021	Total/NA	Water	300.0	
500-251785-8	VER_021	Total/NA	Water	300.0	
500-251785-12	VER_042	Total/NA	Water	300.0	
500-251785-12	VER_042	Total/NA	Water	300.0	
500-251785-15	VER_101&	Total/NA	Water	300.0	
500-251785-15	VER_101&	Total/NA	Water	300.0	
MB 500-772471/3	Method Blank	Total/NA	Water	300.0	
MB 500-772471/42	Method Blank	Total/NA	Water	300.0	
LCS 500-772471/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-772471/43	Lab Control Sample	Total/NA	Water	300.0	
500-251785-8 MS	VER_021	Total/NA	Water	300.0	
500-251785-8 MS	VER_021	Total/NA	Water	300.0	
500-251785-8 MSD	VER_021	Total/NA	Water	300.0	
500-251785-8 MSD	VER_021	Total/NA	Water	300.0	
500-251785-12 MS	VER_042	Total/NA	Water	300.0	
500-251785-12 MS	VER_042	Total/NA	Water	300.0	
500-251785-12 MSD	VER_042	Total/NA	Water	300.0	
500-251785-12 MSD	VER_042	Total/NA	Water	300.0	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

General Chemistry

Analysis Batch: 773440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	SM 2320B	
500-251785-2	VER_003R_FD	Total/NA	Water	SM 2320B	
500-251785-3	VER_005	Total/NA	Water	SM 2320B	
500-251785-4	VER_008R	Total/NA	Water	SM 2320B	
500-251785-7	VER_020	Total/NA	Water	SM 2320B	
500-251785-8	VER_021	Total/NA	Water	SM 2320B	
500-251785-12	VER_042	Total/NA	Water	SM 2320B	
500-251785-15	VER_101&	Total/NA	Water	SM 2320B	
MB 500-773440/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-773440/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 774096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	SM 4500 F C	
500-251785-2	VER_003R_FD	Total/NA	Water	SM 4500 F C	
500-251785-3	VER_005	Total/NA	Water	SM 4500 F C	
500-251785-4	VER_008R	Total/NA	Water	SM 4500 F C	
500-251785-7	VER_020	Total/NA	Water	SM 4500 F C	
500-251785-8	VER_021	Total/NA	Water	SM 4500 F C	
500-251785-15	VER_101&	Total/NA	Water	SM 4500 F C	
MB 500-774096/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-774096/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-251785-8 MS	VER_021	Total/NA	Water	SM 4500 F C	
500-251785-8 MSD	VER_021	Total/NA	Water	SM 4500 F C	

Analysis Batch: 774483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-12	VER_042	Total/NA	Water	SM 4500 F C	
MB 500-774483/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-774483/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-251785-12 MS	VER_042	Total/NA	Water	SM 4500 F C	
500-251785-12 MSD	VER_042	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 768956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	Field Sampling	
500-250240-2	VER_004	Total/NA	Water	Field Sampling	
500-250240-4	VER_007R	Total/NA	Water	Field Sampling	
500-250240-10	VER_034	Total/NA	Water	Field Sampling	
500-250240-12	VER_036	Total/NA	Water	Field Sampling	
500-250240-13	VER_036_FD	Total/NA	Water	Field Sampling	
500-250240-14	VER_037	Total/NA	Water	Field Sampling	
500-250240-15	VER_038	Total/NA	Water	Field Sampling	
500-250240-16	VER_040	Total/NA	Water	Field Sampling	
500-250240-17	VER_040_FD	Total/NA	Water	Field Sampling	
500-250240-18	VER_041	Total/NA	Water	Field Sampling	
500-250240-28	VER_043	Total/NA	Water	Field Sampling	
500-250240-29	VER_043_FD	Total/NA	Water	Field Sampling	
500-250240-31	VER_103&	Total/NA	Water	Field Sampling	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-910-911
SDG: VER_845_910-911

Field Service / Mobile Lab (Continued)

Analysis Batch: 768956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-36	VER_017	Total/NA	Water	Field Sampling	

Analysis Batch: 769134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-38	VER_ND3	Total/NA	Water	Field Sampling	
500-250240-39	VER_OED1	Total/NA	Water	Field Sampling	
500-250240-40	VER_YSG01	Total/NA	Water	Field Sampling	

Analysis Batch: 772230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	Field Sampling	
500-251785-2	VER_003R_FD	Total/NA	Water	Field Sampling	
500-251785-3	VER_005	Total/NA	Water	Field Sampling	
500-251785-4	VER_008R	Total/NA	Water	Field Sampling	
500-251785-7	VER_020	Total/NA	Water	Field Sampling	
500-251785-8	VER_021	Total/NA	Water	Field Sampling	
500-251785-12	VER_042	Total/NA	Water	Field Sampling	
500-251785-15	VER_101&	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-768461/1-A
Matrix: Water
Analysis Batch: 768845

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 768461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		05/17/24 09:33	05/20/24 12:53	1

Lab Sample ID: LCS 500-768461/2-A
Matrix: Water
Analysis Batch: 768845

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 768461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.258		mg/L		103	85 - 115

Lab Sample ID: MB 500-769315/1-A
Matrix: Water
Analysis Batch: 769760

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		05/23/24 10:40	05/24/24 13:40	1

Lab Sample ID: LCS 500-769315/2-A
Matrix: Water
Analysis Batch: 769760

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 769315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.265		mg/L		106	85 - 115

Lab Sample ID: MB 500-772671/1-A
Matrix: Water
Analysis Batch: 773200

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 772671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		06/14/24 10:00	06/18/24 13:43	1

Lab Sample ID: LCS 500-772671/2-A
Matrix: Water
Analysis Batch: 773200

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 772671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.243		mg/L		97	85 - 115

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 773200

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0026	J F2 F1	0.250	0.266		mg/L		106	70 - 130

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 773200

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0030	J F2 F1	0.250	0.259		mg/L		103	70 - 130

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 500-251785-8 DU
Matrix: Water
Analysis Batch: 773200

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772671

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.0026	J F2 F1	0.00266	J	mg/L		3	20

Lab Sample ID: 500-251785-12 DU
Matrix: Water
Analysis Batch: 773200

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772671

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.0030	J F2 F1	0.00216	J F5	mg/L		33	20

Lab Sample ID: MB 500-772870/1-A
Matrix: Water
Analysis Batch: 773200

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 772870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		06/17/24 08:00	06/18/24 16:21	1

Lab Sample ID: LCS 500-772870/2-A
Matrix: Water
Analysis Batch: 773200

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 772870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.245		mg/L		98	85 - 115

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 773200

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0026	J F2 F1	0.250	0.266		mg/L		105	70 - 130	0	20

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 773200

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0030	J F2 F1	0.250	0.261		mg/L		103	70 - 130	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-769084/1-A
Matrix: Water
Analysis Batch: 769360

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		05/22/24 09:30	05/23/24 11:24	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 11:24	1
Barium	0.000873	J	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 11:24	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 11:24	1
Boron	0.0293	J	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 11:24	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 11:24	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-769084/1-A
Matrix: Water
Analysis Batch: 769360

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.20		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 11:24	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 11:24	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 11:24	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 11:24	1
Magnesium	<0.20		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 11:24	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 11:24	1
Potassium	<0.50		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 11:24	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 11:24	1
Sodium	<0.20		0.20	0.077	mg/L		05/22/24 09:30	05/23/24 11:24	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 11:24	1

Lab Sample ID: LCS 500-769084/2-A
Matrix: Water
Analysis Batch: 769360

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 769084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.493		mg/L		99	80 - 120
Arsenic	0.100	0.0985		mg/L		98	80 - 120
Barium	0.500	0.499		mg/L		100	80 - 120
Beryllium	0.0500	0.0500		mg/L		100	80 - 120
Boron	1.00	1.02		mg/L		102	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Calcium	10.0	8.11		mg/L		81	80 - 120
Chromium	0.200	0.210		mg/L		105	80 - 120
Cobalt	0.500	0.534		mg/L		107	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	0.992		mg/L		99	80 - 120
Potassium	10.0	10.4		mg/L		104	80 - 120
Selenium	0.100	0.0974		mg/L		97	80 - 120
Sodium	10.0	10.3		mg/L		103	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: MB 500-769085/1-A
Matrix: Water
Analysis Batch: 769505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		05/22/24 09:30	05/23/24 16:04	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		05/22/24 09:30	05/23/24 16:04	1
Barium	0.00135	J	0.0025	0.00073	mg/L		05/22/24 09:30	05/23/24 16:04	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/22/24 09:30	05/23/24 16:04	1
Boron	0.0403	J	0.050	0.013	mg/L		05/22/24 09:30	05/23/24 16:04	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/22/24 09:30	05/23/24 16:04	1
Calcium	<0.20		0.20	0.044	mg/L		05/22/24 09:30	05/23/24 16:04	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/22/24 09:30	05/23/24 16:04	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/22/24 09:30	05/23/24 16:04	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/22/24 09:30	05/23/24 16:04	1
Magnesium	<0.20		0.20	0.049	mg/L		05/22/24 09:30	05/23/24 16:04	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-769085/1-A
Matrix: Water
Analysis Batch: 769505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/22/24 09:30	05/23/24 16:04	1
Potassium	<0.50		0.50	0.11	mg/L		05/22/24 09:30	05/23/24 16:04	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/22/24 09:30	05/23/24 16:04	1
Sodium	0.100	J	0.20	0.077	mg/L		05/22/24 09:30	05/23/24 16:04	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/22/24 09:30	05/23/24 16:04	1

Lab Sample ID: LCS 500-769085/2-A
Matrix: Water
Analysis Batch: 769505

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 769085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.473		mg/L		95	80 - 120
Arsenic	0.100	0.0985		mg/L		98	80 - 120
Barium	0.500	0.469		mg/L		94	80 - 120
Beryllium	0.0500	0.0495		mg/L		99	80 - 120
Boron	1.00	0.997		mg/L		100	80 - 120
Cadmium	0.0500	0.0495		mg/L		99	80 - 120
Chromium	0.200	0.219		mg/L		109	80 - 120
Cobalt	0.500	0.533		mg/L		107	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Magnesium	10.0	9.91		mg/L		99	80 - 120
Molybdenum	1.00	0.970		mg/L		97	80 - 120
Potassium	10.0	10.0		mg/L		100	80 - 120
Selenium	0.100	0.0921		mg/L		92	80 - 120
Sodium	10.0	9.47		mg/L		95	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: LCS 500-769085/2-A
Matrix: Water
Analysis Batch: 769566

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 769085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.0	9.55		mg/L		95	80 - 120

Lab Sample ID: MB 500-769270/1-A
Matrix: Water
Analysis Batch: 769505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		05/23/24 08:47	05/23/24 16:11	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		05/23/24 08:47	05/23/24 16:11	1
Barium	<0.0025		0.0025	0.00073	mg/L		05/23/24 08:47	05/23/24 16:11	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		05/23/24 08:47	05/23/24 16:11	1
Boron	0.0374	J	0.050	0.013	mg/L		05/23/24 08:47	05/23/24 16:11	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		05/23/24 08:47	05/23/24 16:11	1
Calcium	<0.20		0.20	0.044	mg/L		05/23/24 08:47	05/23/24 16:11	1
Chromium	<0.0050		0.0050	0.0011	mg/L		05/23/24 08:47	05/23/24 16:11	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		05/23/24 08:47	05/23/24 16:11	1
Lead	<0.00050		0.00050	0.00019	mg/L		05/23/24 08:47	05/23/24 16:11	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-769270/1-A
Matrix: Water
Analysis Batch: 769505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.20		0.20	0.049	mg/L		05/23/24 08:47	05/23/24 16:11	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		05/23/24 08:47	05/23/24 16:11	1
Potassium	<0.50		0.50	0.11	mg/L		05/23/24 08:47	05/23/24 16:11	1
Selenium	<0.0025		0.0025	0.00098	mg/L		05/23/24 08:47	05/23/24 16:11	1
Sodium	<0.20		0.20	0.077	mg/L		05/23/24 08:47	05/23/24 16:11	1
Thallium	<0.0020		0.0020	0.00057	mg/L		05/23/24 08:47	05/23/24 16:11	1

Lab Sample ID: MB 500-769270/1-A
Matrix: Water
Analysis Batch: 769566

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 769270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.20		0.20	0.044	mg/L		05/23/24 08:47	05/24/24 13:38	1

Lab Sample ID: LCS 500-769270/2-A
Matrix: Water
Analysis Batch: 769505

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 769270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.468		mg/L		94	80 - 120
Arsenic	0.100	0.0990		mg/L		99	80 - 120
Barium	0.500	0.463		mg/L		93	80 - 120
Beryllium	0.0500	0.0512		mg/L		102	80 - 120
Boron	1.00	0.987		mg/L		99	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Chromium	0.200	0.215		mg/L		107	80 - 120
Cobalt	0.500	0.541		mg/L		108	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Magnesium	10.0	9.96		mg/L		100	80 - 120
Molybdenum	1.00	0.965		mg/L		96	80 - 120
Potassium	10.0	9.87		mg/L		99	80 - 120
Selenium	0.100	0.0918		mg/L		92	80 - 120
Sodium	10.0	9.23		mg/L		92	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: LCS 500-769270/2-A
Matrix: Water
Analysis Batch: 769566

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 769270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.0	9.43		mg/L		94	80 - 120

Lab Sample ID: MB 500-772668/1-A
Matrix: Water
Analysis Batch: 773422

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		06/14/24 10:00	06/19/24 16:25	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		06/14/24 10:00	06/19/24 16:25	1
Barium	<0.0025		0.0025	0.00073	mg/L		06/14/24 10:00	06/19/24 16:25	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-772668/1-A
Matrix: Water
Analysis Batch: 773422

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0010		0.0010	0.00053	mg/L		06/14/24 10:00	06/19/24 16:25	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		06/14/24 10:00	06/19/24 16:25	1
Calcium	<0.20		0.20	0.044	mg/L		06/14/24 10:00	06/19/24 16:25	1
Chromium	<0.0050		0.0050	0.0011	mg/L		06/14/24 10:00	06/19/24 16:25	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		06/14/24 10:00	06/19/24 16:25	1
Lead	<0.00050		0.00050	0.00019	mg/L		06/14/24 10:00	06/19/24 16:25	1
Magnesium	<0.20		0.20	0.049	mg/L		06/14/24 10:00	06/19/24 16:25	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		06/14/24 10:00	06/19/24 16:25	1
Potassium	<0.50		0.50	0.11	mg/L		06/14/24 10:00	06/19/24 16:25	1
Selenium	<0.0025		0.0025	0.00098	mg/L		06/14/24 10:00	06/19/24 16:25	1
Sodium	<0.20		0.20	0.077	mg/L		06/14/24 10:00	06/19/24 16:25	1
Thallium	<0.0020		0.0020	0.00057	mg/L		06/14/24 10:00	06/19/24 16:25	1

Lab Sample ID: MB 500-772668/1-A
Matrix: Water
Analysis Batch: 773696

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0291	J	0.050	0.013	mg/L		06/14/24 10:00	06/21/24 10:40	1

Lab Sample ID: LCS 500-772668/2-A
Matrix: Water
Analysis Batch: 773422

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.506		mg/L		101	80 - 120
Arsenic	0.100	0.0991		mg/L		99	80 - 120
Barium	0.500	0.512		mg/L		102	80 - 120
Beryllium	0.0500	0.0519		mg/L		104	80 - 120
Cadmium	0.0500	0.0520		mg/L		104	80 - 120
Calcium	10.0	8.97		mg/L		90	80 - 120
Chromium	0.200	0.208		mg/L		104	80 - 120
Cobalt	0.500	0.538		mg/L		108	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Magnesium	10.0	10.7		mg/L		107	80 - 120
Molybdenum	1.00	0.986		mg/L		99	80 - 120
Potassium	10.0	10.5		mg/L		105	80 - 120
Selenium	0.100	0.0999		mg/L		100	80 - 120
Sodium	10.0	10.4		mg/L		104	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-772668/2-A
Matrix: Water
Analysis Batch: 773696

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.03		mg/L		103	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.516		mg/L		103	75 - 125
Arsenic	0.047		0.100	0.148		mg/L		101	75 - 125
Barium	0.13		0.500	0.635		mg/L		102	75 - 125
Beryllium	<0.0010		0.0500	0.0519		mg/L		104	75 - 125
Cadmium	<0.00050		0.0500	0.0513		mg/L		103	75 - 125
Calcium	85		10.0	94.0	4	mg/L		89	75 - 125
Chromium	<0.0050		0.200	0.207		mg/L		103	75 - 125
Cobalt	<0.0010		0.500	0.524		mg/L		105	75 - 125
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125
Magnesium	35		10.0	45.4		mg/L		100	75 - 125
Molybdenum	0.0030	J	1.00	1.01		mg/L		101	75 - 125
Potassium	2.2		10.0	12.6		mg/L		104	75 - 125
Selenium	<0.0025		0.100	0.0988		mg/L		99	75 - 125
Sodium	51		10.0	60.7	4	mg/L		97	75 - 125
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 773696

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.85	B	1.00	1.84		mg/L		100	75 - 125

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.509		mg/L		102	75 - 125	1	20
Arsenic	0.047		0.100	0.147		mg/L		100	75 - 125	1	20
Barium	0.13		0.500	0.625		mg/L		100	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0510		mg/L		102	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0507		mg/L		101	75 - 125	1	20
Calcium	85		10.0	95.5	4	mg/L		103	75 - 125	2	20
Chromium	<0.0050		0.200	0.207		mg/L		104	75 - 125	0	20
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125	1	20
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125	0	20
Magnesium	35		10.0	45.9		mg/L		105	75 - 125	1	20
Molybdenum	0.0030	J	1.00	1.00		mg/L		100	75 - 125	1	20
Potassium	2.2		10.0	12.6		mg/L		104	75 - 125	0	20
Selenium	<0.0025		0.100	0.102		mg/L		102	75 - 125	3	20
Sodium	51		10.0	61.7	4	mg/L		106	75 - 125	2	20
Thallium	<0.0020		0.100	0.104		mg/L		104	75 - 125	1	20

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 773696

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.85	B	1.00	1.86		mg/L		101	75 - 125	1	20

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	<0.0030		0.500	0.522		mg/L		104	75 - 125		
Arsenic	0.020		0.100	0.124		mg/L		104	75 - 125		
Barium	0.16		0.500	0.693		mg/L		106	75 - 125		
Beryllium	<0.0010		0.0500	0.0490		mg/L		98	75 - 125		
Cadmium	<0.00050		0.0500	0.0523		mg/L		105	75 - 125		
Calcium	96		10.0	106	4	mg/L		91	75 - 125		
Chromium	<0.0050		0.200	0.205		mg/L		103	75 - 125		
Cobalt	<0.0010		0.500	0.514		mg/L		103	75 - 125		
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125		
Magnesium	53		10.0	61.8	4	mg/L		92	75 - 125		
Molybdenum	<0.0050		1.00	1.02		mg/L		102	75 - 125		
Potassium	2.7		10.0	13.2		mg/L		105	75 - 125		
Selenium	<0.0025		0.100	0.104		mg/L		104	75 - 125		
Sodium	61		10.0	69.6	4	mg/L		83	75 - 125		
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125		

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 773696

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	0.70	B	1.00	1.75		mg/L		105	75 - 125		

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.536		mg/L		107	75 - 125	3	20
Arsenic	0.020		0.100	0.128		mg/L		108	75 - 125	3	20
Barium	0.16		0.500	0.720		mg/L		111	75 - 125	4	20
Beryllium	<0.0010		0.0500	0.0528		mg/L		106	75 - 125	7	20
Cadmium	<0.00050		0.0500	0.0533		mg/L		107	75 - 125	2	20
Calcium	96		10.0	109	4	mg/L		126	75 - 125	3	20
Chromium	<0.0050		0.200	0.212		mg/L		106	75 - 125	3	20
Cobalt	<0.0010		0.500	0.534		mg/L		107	75 - 125	4	20
Lead	<0.00050		0.100	0.106		mg/L		106	75 - 125	3	20
Magnesium	53		10.0	64.2	4	mg/L		116	75 - 125	4	20
Molybdenum	<0.0050		1.00	1.05		mg/L		105	75 - 125	3	20
Potassium	2.7		10.0	13.7		mg/L		110	75 - 125	4	20
Selenium	<0.0025		0.100	0.105		mg/L		105	75 - 125	1	20
Sodium	61		10.0	72.4	4	mg/L		111	75 - 125	4	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	<0.0020		0.100	0.110		mg/L		110	75 - 125	4	20

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 773696

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.70	B	1.00	1.78		mg/L		107	75 - 125	1	20

Lab Sample ID: 500-251785-8 DU
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.047		0.0471		mg/L		0.5	20
Barium	0.13		0.126		mg/L		0.07	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	85		85.6		mg/L		0.4	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	35		35.7		mg/L		1	20
Molybdenum	0.0030	J	0.00292	J	mg/L		1	20
Potassium	2.2		2.26		mg/L		1	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	51		51.7		mg/L		1	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-251785-8 DU
Matrix: Water
Analysis Batch: 773696

Client Sample ID: VER_021
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	0.85	B	0.797		mg/L		6	20

Lab Sample ID: 500-251785-12 DU
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.020		0.0198		mg/L		0.2	20
Barium	0.16		0.162		mg/L		1	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	96		94.9		mg/L		2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-251785-12 DU
Matrix: Water
Analysis Batch: 773422

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	<0.00050		<0.00050		mg/L		NC	20
Magnesium	53		51.5		mg/L		2	20
Molybdenum	<0.0050		<0.0050		mg/L		NC	20
Potassium	2.7		2.67		mg/L		0.5	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	61		60.2		mg/L		2	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-251785-12 DU
Matrix: Water
Analysis Batch: 773696

Client Sample ID: VER_042
Prep Type: Total Recoverable
Prep Batch: 772668

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	0.70	B	0.701		mg/L		0.3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-768486/12-A
Matrix: Water
Analysis Batch: 768726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 768486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		05/17/24 11:25	05/20/24 08:47	1

Lab Sample ID: LCS 500-768486/13-A
Matrix: Water
Analysis Batch: 768726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 768486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00185		mg/L		92	80 - 120

Lab Sample ID: MB 500-768493/12-A
Matrix: Water
Analysis Batch: 768726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 768493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		05/17/24 11:25	05/20/24 10:19	1

Lab Sample ID: LCS 500-768493/13-A
Matrix: Water
Analysis Batch: 768726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 768493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00189		mg/L		94	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: MB 500-768718/12-A
Matrix: Water
Analysis Batch: 768920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 768718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		05/20/24 11:35	05/21/24 11:01	1

Lab Sample ID: LCS 500-768718/13-A
Matrix: Water
Analysis Batch: 768920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 768718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00193		mg/L		96	80 - 120

Lab Sample ID: MB 500-772904/12-A
Matrix: Water
Analysis Batch: 773036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 772904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		06/17/24 18:00	06/18/24 07:33	1

Lab Sample ID: LCS 500-772904/13-A
Matrix: Water
Analysis Batch: 773036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00186		mg/L		93	80 - 120

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 773036

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000991		mg/L		99	75 - 125

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 773036

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000968		mg/L		97	75 - 125	2	20

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 773036

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00101		mg/L		101	75 - 125

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 773036

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00103		mg/L		103	75 - 125	2	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-251785-8 DU
Matrix: Water
Analysis Batch: 773036

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

Lab Sample ID: 500-251785-12 DU
Matrix: Water
Analysis Batch: 773036

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 772904

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-769121/34
Matrix: Water
Analysis Batch: 769121

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.163	J	1.0	0.12	mg/L			05/23/24 05:09	1
Sulfate	<1.0		1.0	0.21	mg/L			05/23/24 05:09	1

Lab Sample ID: MB 500-769121/71
Matrix: Water
Analysis Batch: 769121

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.161	J	1.0	0.12	mg/L			05/23/24 14:47	1
Sulfate	<1.0		1.0	0.21	mg/L			05/23/24 14:47	1

Lab Sample ID: LCS 500-769121/35
Matrix: Water
Analysis Batch: 769121

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.9		mg/L		105	90 - 110
Sulfate	20.0	21.9		mg/L		110	90 - 110

Lab Sample ID: LCS 500-769121/72
Matrix: Water
Analysis Batch: 769121

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.0		mg/L		105	90 - 110
Sulfate	20.0	21.7		mg/L		109	90 - 110

Lab Sample ID: MB 500-769344/3
Matrix: Water
Analysis Batch: 769344

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			05/23/24 15:24	1
Sulfate	<1.0		1.0	0.21	mg/L			05/23/24 15:24	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-017-0911
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-769344/55
Matrix: Water
Analysis Batch: 769344

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			05/24/24 04:33	1
Sulfate	<1.0		1.0	0.21	mg/L			05/24/24 04:33	1

Lab Sample ID: LCS 500-769344/4
Matrix: Water
Analysis Batch: 769344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.3		mg/L		101	90 - 110
Sulfate	20.0	20.7		mg/L		104	90 - 110

Lab Sample ID: LCS 500-769344/56
Matrix: Water
Analysis Batch: 769344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.3		mg/L		102	90 - 110
Sulfate	20.0	20.7		mg/L		104	90 - 110

Lab Sample ID: 500-250240-27 MS
Matrix: Water
Analysis Batch: 769344

Client Sample ID: VER_017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	23		10.0	32.8		mg/L		102	80 - 120

Lab Sample ID: 500-250240-27 MSD
Matrix: Water
Analysis Batch: 769344

Client Sample ID: VER_017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23		10.0	32.6		mg/L		100	80 - 120	1	20

Lab Sample ID: MB 500-769984/3
Matrix: Water
Analysis Batch: 769984

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.0		1.0	0.21	mg/L			05/29/24 12:19	1

Lab Sample ID: LCS 500-769984/4
Matrix: Water
Analysis Batch: 769984

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.8		mg/L		104	90 - 110

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-251785-3
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-772471/3
Matrix: Water
Analysis Batch: 772471

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			06/13/24 12:36	1
Sulfate	<1.0		1.0	0.21	mg/L			06/13/24 12:36	1

Lab Sample ID: MB 500-772471/42
Matrix: Water
Analysis Batch: 772471

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			06/13/24 22:45	1
Sulfate	<1.0		1.0	0.21	mg/L			06/13/24 22:45	1

Lab Sample ID: LCS 500-772471/4
Matrix: Water
Analysis Batch: 772471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.7		mg/L		103	90 - 110
Sulfate	20.0	20.8		mg/L		104	90 - 110

Lab Sample ID: LCS 500-772471/43
Matrix: Water
Analysis Batch: 772471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.6		mg/L		103	90 - 110
Sulfate	20.0	20.6		mg/L		103	90 - 110

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.4		10.0	12.4		mg/L		100	80 - 120

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	82		100	182		mg/L		101	80 - 120

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.4		10.0	12.6		mg/L		102	80 - 120	2	20

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	82		100	185		mg/L		104	80 - 120	2	20

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	18		10.0	28.6		mg/L		105	80 - 120		

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	71	F1 F2	50.0	99.5	F1	mg/L		56	80 - 120		

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	18		10.0	28.4		mg/L		103	80 - 120	1	20

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 772471

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	71	F1 F2	50.0	129	F2	mg/L		115	80 - 120	26	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-769064/28
Matrix: Water
Analysis Batch: 769064

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

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			05/21/24 20:13	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			05/21/24 20:13	1

Lab Sample ID: MB 500-769064/53
Matrix: Water
Analysis Batch: 769064

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

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			05/22/24 00:02	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			05/22/24 00:02	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-769064/29
Matrix: Water
Analysis Batch: 769064

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	107		mg/L		107	80 - 120

Lab Sample ID: LCS 500-769064/4
Matrix: Water
Analysis Batch: 769064

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	109		mg/L		109	80 - 120

Lab Sample ID: MB 500-769294/28
Matrix: Water
Analysis Batch: 769294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	3.82	J	5.0	3.7	mg/L			05/22/24 21:19	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			05/22/24 21:19	1

Lab Sample ID: MB 500-769294/78
Matrix: Water
Analysis Batch: 769294

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

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			05/23/24 03:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			05/23/24 03:52	1

Lab Sample ID: LCS 500-769294/29
Matrix: Water
Analysis Batch: 769294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	108		mg/L		108	80 - 120

Lab Sample ID: LCS 500-769294/4
Matrix: Water
Analysis Batch: 769294

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

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

Lab Sample ID: MB 500-770813/53
Matrix: Water
Analysis Batch: 770813

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

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			06/03/24 17:27	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			06/03/24 17:27	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0901
SDG: VER_845_910-911

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-770813/4
Matrix: Water
Analysis Batch: 770813

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	110		mg/L		110	80 - 120

Lab Sample ID: MB 500-773440/28
Matrix: Water
Analysis Batch: 773440

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

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			06/19/24 20:10	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			06/19/24 20:10	1

Lab Sample ID: LCS 500-773440/4
Matrix: Water
Analysis Batch: 773440

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	107		mg/L		107	80 - 120

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

Lab Sample ID: MB 500-767316/1
Matrix: Water
Analysis Batch: 767316

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			05/10/24 01:32	1

Lab Sample ID: LCS 500-767316/2
Matrix: Water
Analysis Batch: 767316

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	270		mg/L		108	80 - 120

Lab Sample ID: MB 500-767317/1
Matrix: Water
Analysis Batch: 767317

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			05/10/24 02:44	1

Lab Sample ID: LCS 500-767317/2
Matrix: Water
Analysis Batch: 767317

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

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

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

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

Lab Sample ID: 500-250240-12 MS
Matrix: Water
Analysis Batch: 767317

Client Sample ID: VER_036
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1800		250	2120	4	mg/L		121	75 - 125

Lab Sample ID: 500-250240-12 DU
Matrix: Water
Analysis Batch: 767317

Client Sample ID: VER_036
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1800		1880		mg/L		3	5

Lab Sample ID: 500-250240-13 DU
Matrix: Water
Analysis Batch: 767317

Client Sample ID: VER_036_FD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1900		1880		mg/L		0.6	5

Lab Sample ID: MB 500-767933/1
Matrix: Water
Analysis Batch: 767933

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			05/14/24 23:19	1

Lab Sample ID: LCS 500-767933/2
Matrix: Water
Analysis Batch: 767933

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	236		mg/L		94	80 - 120

Lab Sample ID: MB 500-771692/1
Matrix: Water
Analysis Batch: 771692

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			06/09/24 21:29	1

Lab Sample ID: LCS 500-771692/2
Matrix: Water
Analysis Batch: 771692

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	278		mg/L		111	80 - 120

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 771692

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	660		250	948		mg/L		117	75 - 125

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-001
SDG: VER_845_910-911

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

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 771692

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	660		250	928		mg/L		109	75 - 125	2	20

Lab Sample ID: 500-251785-7 DU
Matrix: Water
Analysis Batch: 771692

Client Sample ID: VER_020
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	520		494		mg/L		4	5

Lab Sample ID: MB 500-771878/1
Matrix: Water
Analysis Batch: 771878

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			06/10/24 20:24	1

Lab Sample ID: LCS 500-771878/2
Matrix: Water
Analysis Batch: 771878

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	272		mg/L		109	80 - 120

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 771878

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	570		250	822		mg/L		102	75 - 125

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 771878

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	570		250	844		mg/L		110	75 - 125	3	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-769992/31
Matrix: Water
Analysis Batch: 769992

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			05/28/24 16:27	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-769992/32
Matrix: Water
Analysis Batch: 769992

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	9.73		mg/L		97	90 - 119

Lab Sample ID: MB 500-769993/23
Matrix: Water
Analysis Batch: 769993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			05/28/24 22:56	1

Lab Sample ID: LCS 500-769993/24
Matrix: Water
Analysis Batch: 769993

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	9.89		mg/L		99	90 - 119

Lab Sample ID: MB 500-770352/3
Matrix: Water
Analysis Batch: 770352

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			05/30/24 18:35	1

Lab Sample ID: LCS 500-770352/4
Matrix: Water
Analysis Batch: 770352

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	10.1		mg/L		101	90 - 119

Lab Sample ID: MB 500-774096/3
Matrix: Water
Analysis Batch: 774096

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			06/21/24 11:14	1

Lab Sample ID: LCS 500-774096/4
Matrix: Water
Analysis Batch: 774096

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	9.66		mg/L		97	90 - 119

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 774096

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.92		5.00	5.48		mg/L		91	75 - 125

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-001
SDG: VER_845_910-911

Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 774096

Client Sample ID: VER_021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.92		5.00	5.49		mg/L		91	75 - 125	0	20

Lab Sample ID: MB 500-774483/3
Matrix: Water
Analysis Batch: 774483

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			06/26/24 13:19	1

Lab Sample ID: LCS 500-774483/4
Matrix: Water
Analysis Batch: 774483

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	9.52		mg/L		95	90 - 119

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 774483

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.59		5.00	5.54		mg/L		99	75 - 125

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 774483

Client Sample ID: VER_042
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.59		5.00	5.51		mg/L		98	75 - 125	1	20

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_002

Date Collected: 05/08/24 15:05

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 13:07
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 11:29
Total/NA	Prep	7470A			768486	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 09:32
Total/NA	Analysis	300.0		1	769121	W1T	EET CHI	05/23/24 18:11
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 18:57
Total/NA	Analysis	SM 2540C		1	767316	CLB	EET CHI	05/10/24 02:05
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 18:47
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/08/24 15:05

Client Sample ID: VER_004

Date Collected: 05/08/24 09:50

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 13:11
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 11:35
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		10	769360	RN	EET CHI	05/23/24 11:44
Total/NA	Prep	7470A			768486	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 09:50
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 16:09
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 19:10
Total/NA	Analysis	SM 2540C		1	767316	CLB	EET CHI	05/10/24 02:08
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 18:52
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/08/24 09:50

Client Sample ID: VER_007R

Date Collected: 05/07/24 10:55

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 13:18
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 11:57
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		20	769360	RN	EET CHI	05/23/24 12:16
Total/NA	Prep	7470A			768486	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 09:54

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_007R

Date Collected: 05/07/24 10:55

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 16:55
Total/NA	Analysis	300.0		100	769344	W1T	EET CHI	05/23/24 17:10
Total/NA	Analysis	SM 2320B		1	769064	LEG	EET CHI	05/21/24 20:34
Total/NA	Analysis	SM 2540C		1	767316	CLB	EET CHI	05/10/24 02:13
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 22:46
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/07/24 10:55

Client Sample ID: VER_034

Date Collected: 05/07/24 09:05

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:01
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 12:45
Total/NA	Prep	7470A			768486	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 10:17
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 21:43
Total/NA	Analysis	SM 2320B		1	769064	LEG	EET CHI	05/21/24 21:15
Total/NA	Analysis	SM 2540C		1	767316	CLB	EET CHI	05/10/24 02:28
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 23:38
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/07/24 09:05

Client Sample ID: VER_036

Date Collected: 05/08/24 14:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:08
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 12:58
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		10	769360	RN	EET CHI	05/23/24 13:06
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 10:26
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 22:14
Total/NA	Analysis	300.0		100	769344	W1T	EET CHI	05/23/24 22:29
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 20:00
Total/NA	Analysis	SM 2540C		1	767317	CLB	EET CHI	05/10/24 02:49
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 19:12
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/08/24 14:10

Eurofins Chicago

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_036_FD

Date Collected: 05/08/24 14:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:12
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 13:08
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		10	769360	RN	EET CHI	05/23/24 13:21
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 10:28
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 22:44
Total/NA	Analysis	300.0		100	769344	W1T	EET CHI	05/23/24 22:59
Total/NA	Analysis	SM 2320B		1	770813	SO	EET CHI	06/03/24 10:52
Total/NA	Analysis	SM 2540C		1	767317	CLB	EET CHI	05/10/24 02:56
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 19:17
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/08/24 14:10

Client Sample ID: VER_037

Date Collected: 05/08/24 13:40

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:16
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 13:23
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 10:30
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 23:14
Total/NA	Analysis	300.0		10	769344	W1T	EET CHI	05/23/24 23:29
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 20:08
Total/NA	Analysis	SM 2540C		1	767317	CLB	EET CHI	05/10/24 03:02
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 19:22
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/08/24 13:40

Client Sample ID: VER_038

Date Collected: 05/08/24 08:30

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:19
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 13:25
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 10:32

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_038

Date Collected: 05/08/24 08:30

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/23/24 23:45
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 20:18
Total/NA	Analysis	SM 2540C		1	767317	CLB	EET CHI	05/10/24 03:04
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 19:36
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/08/24 08:30

Client Sample ID: VER_040

Date Collected: 05/07/24 12:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:30
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769360	RN	EET CHI	05/23/24 13:27
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		10	769360	RN	EET CHI	05/23/24 13:41
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 10:34
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/24/24 00:30
Total/NA	Analysis	300.0		100	769344	W1T	EET CHI	05/24/24 00:45
Total/NA	Analysis	SM 2320B		1	769064	LEG	EET CHI	05/21/24 21:25
Total/NA	Analysis	SM 2540C		1	767933	CLB	EET CHI	05/14/24 23:39
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 23:43
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/07/24 12:10

Client Sample ID: VER_040_FD

Date Collected: 05/07/24 12:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:33
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769505	RN	EET CHI	05/23/24 13:50
Total Recoverable	Prep	3005A			769084	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		10	769505	RN	EET CHI	05/23/24 14:01
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 11:28
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/24/24 01:01
Total/NA	Analysis	300.0		100	769344	W1T	EET CHI	05/24/24 01:16
Total/NA	Analysis	SM 2320B		1	769064	LEG	EET CHI	05/21/24 21:33
Total/NA	Analysis	SM 2540C		1	767933	CLB	EET CHI	05/14/24 23:42

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_040_FD

Date Collected: 05/07/24 12:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 23:49
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/07/24 12:10

Client Sample ID: VER_041

Date Collected: 05/08/24 11:45

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			768461	BDE	EET CHI	05/17/24 09:33 - 05/17/24 15:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	768845	RB	EET CHI	05/20/24 14:37
Total Recoverable	Prep	3005A			769085	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769505	RN	EET CHI	05/23/24 14:13
Total/NA	Prep	7470A			768493	MJG	EET CHI	05/17/24 11:25 - 05/17/24 13:25 ¹
Total/NA	Analysis	7470A		1	768726	MJG	EET CHI	05/20/24 11:30
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/24/24 01:31
Total/NA	Analysis	300.0		5	769344	W1T	EET CHI	05/24/24 01:46
Total/NA	Analysis	SM 2320B		1	769064	LEG	EET CHI	05/21/24 21:42
Total/NA	Analysis	SM 2540C		1	767317	CLB	EET CHI	05/10/24 03:12
Total/NA	Analysis	SM 4500 F C		1	769993	PFK	EET CHI	05/28/24 23:52
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/07/24 11:45

Client Sample ID: VER_017

Date Collected: 05/09/24 08:45

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/24/24 07:51
Total/NA	Analysis	300.0		100	769984	MB	EET CHI	05/29/24 14:05
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 21:51
Total/NA	Analysis	SM 2540C		1	767933	CLB	EET CHI	05/14/24 23:52
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 20:12

Client Sample ID: VER_043

Date Collected: 05/09/24 08:25

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			769315	BDE	EET CHI	05/23/24 10:40 - 05/23/24 16:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	769760	RB	EET CHI	05/24/24 14:44
Total Recoverable	Prep	3005A			769085	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769505	RN	EET CHI	05/23/24 15:41
Total/NA	Prep	7470A			768718	MJG	EET CHI	05/20/24 11:35 - 05/20/24 13:35 ¹
Total/NA	Analysis	7470A		1	768920	MJG	EET CHI	05/21/24 11:07
Total/NA	Analysis	300.0		5	769344	W1T	EET CHI	05/24/24 08:36

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_043

Date Collected: 05/09/24 08:25

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 22:00
Total/NA	Analysis	SM 2540C		1	767933	CLB	EET CHI	05/14/24 23:55
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 20:16
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/09/24 08:25

Client Sample ID: VER_043_FD

Date Collected: 05/09/24 08:25

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			769315	BDE	EET CHI	05/23/24 10:40 - 05/23/24 16:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	769760	RB	EET CHI	05/24/24 14:47
Total Recoverable	Prep	3005A			769085	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769505	RN	EET CHI	05/23/24 15:44
Total/NA	Prep	7470A			768718	MJG	EET CHI	05/20/24 11:35 - 05/20/24 13:35 ¹
Total/NA	Analysis	7470A		1	768920	MJG	EET CHI	05/21/24 11:09
Total/NA	Analysis	300.0		5	769344	W1T	EET CHI	05/24/24 08:51
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 22:10
Total/NA	Analysis	SM 2540C		1	767933	CLB	EET CHI	05/14/24 23:57
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 20:21
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/09/24 08:25

Client Sample ID: VER_103&

Date Collected: 05/09/24 12:35

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			769315	BDE	EET CHI	05/23/24 10:40 - 05/23/24 16:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	769760	RB	EET CHI	05/24/24 14:55
Total Recoverable	Prep	3005A			769085	RN	EET CHI	05/22/24 09:30 - 05/22/24 15:00 ¹
Total Recoverable	Analysis	6020B		1	769505	RN	EET CHI	05/23/24 15:48
Total/NA	Prep	7470A			768718	MJG	EET CHI	05/20/24 11:35 - 05/20/24 13:35 ¹
Total/NA	Analysis	7470A		1	768920	MJG	EET CHI	05/21/24 11:13
Total/NA	Analysis	300.0		1	769344	W1T	EET CHI	05/24/24 10:07
Total/NA	Analysis	300.0		100	769344	W1T	EET CHI	05/24/24 10:22
Total/NA	Analysis	SM 2320B		1	769294	LEG	EET CHI	05/22/24 22:34
Total/NA	Analysis	SM 2540C		1	767933	CLB	EET CHI	05/15/24 00:02
Total/NA	Analysis	SM 4500 F C		1	770352	SO	EET CHI	05/30/24 20:40
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/09/24 12:35

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_017

Date Collected: 05/07/24 13:35

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			769315	BDE	EET CHI	05/23/24 10:40 - 05/23/24 16:40 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	769760	RB	EET CHI	05/24/24 15:12
Total Recoverable	Prep	3005A			769270	BDE	EET CHI	05/23/24 08:47 - 05/23/24 14:00 ¹
Total Recoverable	Analysis	6020B		1	769505	RN	EET CHI	05/23/24 17:15
Total Recoverable	Prep	3005A			769270	BDE	EET CHI	05/23/24 08:47 - 05/23/24 14:00 ¹
Total Recoverable	Analysis	6020B		1	769566	RN	EET CHI	05/24/24 12:33
Total Recoverable	Prep	3005A			769270	BDE	EET CHI	05/23/24 08:47 - 05/23/24 14:00 ¹
Total Recoverable	Analysis	6020B		1	769566	RN	EET CHI	05/24/24 13:44
Total/NA	Prep	7470A			768718	MJG	EET CHI	05/20/24 11:35 - 05/20/24 13:35 ¹
Total/NA	Analysis	7470A		1	768920	MJG	EET CHI	05/21/24 11:28
Total/NA	Analysis	Field Sampling		1	768956	DN	EET CHI	05/07/24 13:35

Client Sample ID: VER_ND3

Date Collected: 05/06/24 13:35

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	769134	DN	EET CHI	05/06/24 13:35

Client Sample ID: VER_OED1

Date Collected: 05/06/24 15:25

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	769134	DN	EET CHI	05/06/24 15:25

Client Sample ID: VER_YSG01

Date Collected: 05/06/24 16:00

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	769134	DN	EET CHI	05/06/24 16:00

Client Sample ID: VER_003R

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 14:14
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 16:29
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		20	773696	RN	EET CHI	06/21/24 10:44

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Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-001
SDG: VER_845_910-911

Client Sample ID: VER_003R

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 07:37
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 16:15
Total/NA	Analysis	300.0		20	772471	W1T	EET CHI	06/13/24 16:30
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 17:07
Total/NA	Analysis	SM 2540C		1	771692	CLB	EET CHI	06/09/24 22:02
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 11:52
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 13:15

Client Sample ID: VER_003R_FD

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 14:18
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 16:36
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		20	773696	RN	EET CHI	06/21/24 10:46
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 07:39
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 16:46
Total/NA	Analysis	300.0		20	772471	W1T	EET CHI	06/13/24 17:02
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 17:16
Total/NA	Analysis	SM 2540C		1	771692	CLB	EET CHI	06/09/24 22:05
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 12:47
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 13:15

Client Sample ID: VER_005

Date Collected: 06/06/24 15:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 14:22
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 16:44
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		20	773696	RN	EET CHI	06/21/24 10:49
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 07:41
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 17:17

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_005

Date Collected: 06/06/24 15:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	772471	W1T	EET CHI	06/13/24 17:33
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 17:26
Total/NA	Analysis	SM 2540C		1	771692	CLB	EET CHI	06/09/24 22:07
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 12:24
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 15:35

Client Sample ID: VER_008R

Date Collected: 06/06/24 14:20

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 14:27
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 16:50
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		20	773696	RN	EET CHI	06/21/24 10:51
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 07:43
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 17:48
Total/NA	Analysis	300.0		20	772471	W1T	EET CHI	06/13/24 18:04
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 17:34
Total/NA	Analysis	SM 2540C		1	771692	CLB	EET CHI	06/09/24 22:10
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 12:29
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 14:20

Client Sample ID: VER_020

Date Collected: 06/06/24 14:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 14:39
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 17:05
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773696	RN	EET CHI	06/21/24 10:57
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 07:50
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 19:22
Total/NA	Analysis	300.0		10	772471	W1T	EET CHI	06/13/24 19:38
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 18:03
Total/NA	Analysis	SM 2540C		1	771692	CLB	EET CHI	06/09/24 22:18

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
SDG: VER_845_910-911

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_020

Date Collected: 06/06/24 14:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 12:43
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 14:35

Client Sample ID: VER_021

Date Collected: 06/06/24 16:05

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 14:43
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 17:07
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773696	RN	EET CHI	06/21/24 10:59
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 07:56
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 19:53
Total/NA	Analysis	300.0		10	772471	W1T	EET CHI	06/13/24 20:40
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 18:16
Total/NA	Analysis	SM 2540C		1	771692	CLB	EET CHI	06/09/24 22:23
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 11:57
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 16:05

Client Sample ID: VER_042

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 15:21
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 17:28
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773696	RN	EET CHI	06/21/24 12:19
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 08:11
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/13/24 23:17
Total/NA	Analysis	300.0		5	772471	W1T	EET CHI	06/14/24 00:03
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 18:43
Total/NA	Analysis	SM 2540C		1	771878	CLB	EET CHI	06/10/24 20:57
Total/NA	Analysis	SM 4500 F C		1	774483	SO	EET CHI	06/26/24 14:39
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 13:15

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Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-0911
SDG: VER_845_910-911

Client Sample ID: VER_1018

Date Collected: 06/06/24 17:40

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			772671		EET CHI	06/14/24 10:00 - 06/14/24 18:00 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	773200	SJ	EET CHI	06/18/24 15:54
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		1	773422	RN	EET CHI	06/19/24 17:47
Total Recoverable	Prep	3005A			772668		EET CHI	06/14/24 10:00 - 06/14/24 16:00 ¹
Total Recoverable	Analysis	6020B		5	773696	RN	EET CHI	06/21/24 12:43
Total/NA	Prep	7470A			772904	MJG	EET CHI	06/17/24 18:00 - 06/17/24 20:00 ¹
Total/NA	Analysis	7470A		1	773036	MJG	EET CHI	06/18/24 08:28
Total/NA	Analysis	300.0		1	772471	W1T	EET CHI	06/14/24 02:24
Total/NA	Analysis	300.0		10	772471	W1T	EET CHI	06/14/24 02:40
Total/NA	Analysis	SM 2320B		1	773440	SO	EET CHI	06/19/24 19:13
Total/NA	Analysis	SM 2540C		1	771878	CLB	EET CHI	06/10/24 21:13
Total/NA	Analysis	SM 4500 F C		1	774096	SO	EET CHI	06/21/24 13:24
Total/NA	Analysis	Field Sampling		1	772230	DN	EET CHI	06/06/24 17:40

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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
2024 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-3
VER-24Q2-001
SDG: VER_845_910-911

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	IL00035	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

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ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX CODE</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)		500-250240 COC	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		VER-845-910-911	VER-845-912	VER-NPDES-912	VER_000_RAD	VER_000_A	VER_000_B	VER_000_C										
1	VER_002		WT	G	5/8/24	1505		6								X			X	X														
2	VER_003R															X			X	X														
3	VER_003R_FD															X			X	X														
4	VER_004		WT	G	5/8/24	0950		6								X			X	X														
5	VER_005		WT	G	5/8/24	1445		6								X			X	X														
6	VER_007R		WT	G	5/7/24	1055		6								X			X	X														
7	VER_008R															X			X	X														
8	VER_010		WT	G	5/8/24	1225		6									X	X	X	X														
9	VER_016IB																X	X	X	X														
10	VER_016A		WT	G	5/8/24	0935		6									X	X	X	X														
11	VER_017															X			X	X														
12	VER_020		WT	G	5/7/24	0915		6								X			X	X														
13	VER_021		WT	G	5/7/24	1055		6								X			X	X													MS/MSD	
14	VER_022		WT	G	5/7/24	1525		6									X		X	X														
15	VER_034		WT	G	5/7/24	0905		6								X			X	X														
16	VER_035/IS		WT	G	5/8/24	10											X	X	X	X														
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																	
VER-24Q2 Rev 0			Home Luley			5-8-24		1700		Ali + ADA PERA			5/9/24		1030																			

4.6 → 4.2, 5.3 → 2.9, 1.7 → 1.5, 1.3 → 1.4, 0.7 → 0.8, 3.8 → 2.4

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Page 1 of 3



500-250240 COC

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

RELINQUISHED BY AFFILIATION

5.3 → 4.9, 2.6 → 1.2, 5.6 → 5.2, 5.2 → 4.8

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Page 3 of 3

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

31
32
33
34
35
36
19
8
1

Confidential
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 Section A Required Client Information		Section B Required Project Information Section C Invoice Information		Page 1 of 2	
Company	Vistra Corp-Vermilion	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address	10188 E 2150 North Rd	Copy To:	Sam Davies samanthal.davies@vistracorp.com	Company Name	Vistra Corp
	Danville, IL 61834		Dianna Tickner dianna.tickner@vistracorp.com	Address	see Section A
Email To	Brian Voelker@VistraCorp.com	Purchase Order No.		Quota Reference	
Phone	(217) 753-8911	Project Name		Project Manager	
	Fax			Profile #	
Requested Due Date/TAT		10 day		Project Number:	50022750

REGULATORY AGENCY

500-251785 COC

10

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SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER Lorne Filewicz / David McCov

SIGNATURE of SAMPLE	DATE Signed (MM/DD/YY)
<i>[Signature]</i>	

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

$$\begin{array}{r} 4.1 + 3.7 \\ 3.9 + 3.5 \\ 2.9 + 2.5 \\ 4.0 + 4.2 \\ \hline \end{array}$$

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Page 2 of 2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
VER-845-910-911

Confidential

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Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-251785-3
SDG Number: VER_845_910-911

Login Number: 251785

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7,3.5,2.5,4.2,5.0
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.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-250240-1

SDG Number: VER_000

Login Number: 250240

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	4.2,2.9,1.8,1.4,0.8,3.4,4.9,2.2,5.2,4.8
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.	False	
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	

PROJECT INFORMATION

$$\begin{array}{r} 003R \quad 1315 \\ \hline 003RD \quad 1315 \end{array}$$

PROJECT INFORMATION

Sample Ø50 x 525

PROJECT INFORMATION

008R 1420

PROJECT INFORMATION

VER 10 @ 1700

PROJECT INFORMATION

016A - Sample C.1210

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Hennepin - Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>0099</u>		Task #: _____		Start Date: <u>6/6/2024</u>		Time: <u>1400</u>					
Field Personnel: <u>Lorne</u>		Finish Date: _____		Time: <u>1435</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>20</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				~~Low-Flow~~ Low Stress Sampling Other (Specify): Low Flow			
				YSI SERIAL NO <u>09326 5X</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µm/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre	1400		13.83		14.06	7.68	.762	1.98	23.2	193	
Purge	1405				15.00	7.66	.757	1.77	31.8	188	
	1410				16.68	7.61	.759	1.58	43.2	179	
	1415				16.94	7.60	.747	1.32	38.1	182	
	1420				17.20	7.59	.746	1.27	40.1	184	
	1425				17.82	7.61	.739	1.18	39.2	182	
	1430				17.92	7.62	.737	1.17	36.8	181	
Sample	1435				17.92	7.61	.736	1.18	35.9	181	
NOTES (continued)							ABBREVIATIONS				
							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

Sample @ 1435

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin Vermilion</u>		Client: <u>Vista</u>		Project Number: <u>0099</u>		Task #: _____		Start Date: <u>6/6/2024</u>		Time: <u>1530</u>		
Field Personnel: <u>Corne</u>		Finish Date: <u>Same</u>		Time: <u>1605</u>								
WELL INFORMATION				EVENT TYPE								
Well ID: <u>21</u> Casing ID: <u>2"</u> <u>inches</u>				Well Development Well Volume Approach Sampling				☒ Low-Flow / ☐ Low Stress Sampling Other (Specify): <u>Low Flow</u>				YSI SERIAL NO <u>093265X</u>
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. (µS/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity	
<u>Pre</u>	<u>1530</u>		<u>91.92</u>		<u>15.32</u>	<u>7.94</u>	<u>.840</u>	<u>1.48</u>	<u>1.0</u>	<u>56</u>		
<u>Purge</u>	<u>1535</u>				<u>14.72</u>	<u>8.07</u>	<u>.837</u>	<u>0.99</u>	<u>3.0</u>	<u>37</u>		
	<u>1540</u>				<u>14.60</u>	<u>8.10</u>	<u>.816</u>	<u>0.44</u>	<u>4.6</u>	<u>20</u>		
	<u>1545</u>				<u>14.93</u>	<u>8.10</u>	<u>.810</u>	<u>0.39</u>	<u>3.5</u>	<u>35</u>		
	<u>1550</u>				<u>14.61</u>	<u>8.14</u>	<u>.808</u>	<u>0.38</u>	<u>4.6</u>	<u>40</u>		
	<u>1555</u>				<u>15.01</u>	<u>8.11</u>	<u>.811</u>	<u>0.32</u>	<u>3.2</u>	<u>37</u>		
	<u>1600</u>				<u>14.91</u>	<u>8.12</u>	<u>.814</u>	<u>0.34</u>	<u>3.4</u>	<u>36</u>		
<u>Sample</u>	<u>1605</u>		<u>98.12</u>		<u>14.92</u>	<u>8.11</u>	<u>.815</u>	<u>0.31</u>	<u>3.1</u>	<u>35</u>		
NOTES (continued)								ABBREVIATIONS				
								Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

21/MS/MSD @ 1605

PROJECT INFORMATION

Sample 1155

PROJECT INFORMATION

42
42 ms
42 msD

> @ 1315

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Vermilion</u>		Client: <u>Vistra</u>		Project Number: <u>0099</u>		Task #: _____		Start Date: <u>6/6/2024</u>		Time: <u>0930</u>		
Field Personnel: <u>Lorne</u>		Finish Date: <u>Same</u>		Time: <u>0950</u>								
WELL INFORMATION				EVENT TYPE								
Well ID: _____ Casing ID: <u>2" 70.5 inches</u>				Well Development Well Volume Approach Sampling				☒ Low Flow / Low Stress Sampling Other (Specify): Low Flow				YSI SERIAL NO <u>U93265X</u>
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- .01	SEC or Cond. 3% MS/cm	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity	
Pre	0930		11.85		15.84	7.25	1.40	2.63	2.8	221		
Purge	0935				14.51	7.16	1.41	1.05	1.5	294		
	0940				14.02	7.12	1.42	2.52	1.4	388		
	0945				13.78	7.19	1.43	1.97	1.4	427		
	0950				13.61	7.20	1.43	2.20	1.1	442		
0950	0955	1.5	11.97									
NOTES (continued)								ABBREVIATIONS				
								Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing ns - Conductance SU - Standard Units				

70.5 Sample @ 0955

PROJECT INFORMATION

Sample 701D @ 1040

PROJECT INFORMATION

2.2' of water
HIS ~~is~~ insufficient water to collect
Sample
Drops out w/ fill on flow through

PROJECT INFORMATION

71 D dry

PROJECT INFORMATION

010120 1740

SAR-3: Episodic Depth to Groundwater Measurements

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Plant: VER

Event: VER-24Q2 Rev 0

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Comments Total depth of well (ft)	Initials
101S	VER_101#S	5/6/24	1020	57.91	64.18	AS
102	VER_102&	5/6/24	1055	123.89	155.00	AS
102S	VER_102#S	5/6/24	1050	~~71.93~~ ~~72.68~~	72.68	AS
103S	VER_103#S	5/6/24	1115	~~58.02~~ ~~73.94~~	73.94	AS
104	VER_104&	5/6/24	1105	124.88	159.90	AS
104S	VER_104#S	5/6/24	1100	72.33	83.64	AS
105	VER_105&	5/6/24	1130	120.29	137.30	AS
105S	VER_105#S	5/6/24	1125	70.22	75.72	AS
16B	VER_016!B	5/6/24	1230	—	NO water	AS
23	VER_023	5/6/24	1300	12.34	24.80	AS
24	VER_024	5/6/24	1255	22.36	56.97	AS
25	VER_025	5/6/24	1440	15.42	41.87	AS
35S	VER_035#S	5/6/24	1305	12.02	12.45	AS
SG01	VER_YSG01	5/6/24	1600	16.16	Transducer will be added to this location at a future date	AS
44		5/6/24	1320	13.93	43.07 U:6/21/23 GKJ	transducer was added. Data sent via Hobolink
18		5/6/24	1420	32.72	40.63	
06R		5/6/24	1515	4.19	13.35	
1		5/6/24	1535	77.25	111.88	

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Plant: VER
Event: VER-24Q2 Rev 0

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	On-site Transducer Data					Comments	Initials
					Data Logger Serial No.	Does Data Logger Serial No. Match?	WL Reading on Transducer (ft)	Data downloaded?	Batt (H/M/L)		
02	VER_002	5/6/24	1450	17.02	21863664	Y	576.65	Y	H		AS
03R	VER_003R	↓	1515	6.58	21863701	Y	578.06	Y	H		AS
04	VER_004	↓	1355	7.02	21615494	Y	584.28	Y	H		AS
05	VER_005	↓	1345	7.11	21863665	Y	588.96	Y	H		AS
07R	VER_007R	↓	1455	15.61	21863672	Y	579.19	Y	H		AS
08R	VER_008R	↓	1510	12.24	21615142	Y	582.67	Y	H		AS
10	VER_010	↓	1150	48.16	21629313	21921674	611.61	Y	H		AS
101	VER_101&	↓	1015	108.83	21739729	Y	598.36	Y	H		AS
103	VER_103&	↓	1120	129.23	21615619	Y	591.83	Y	H		AS
16A	VER_016A	↓	1225	10.82	21564137	+	—	N	—	No Transducer	
17	VER_017	↓	1220	37.63	21675573	Y	586.11	Y	H		AS
20	VER_020	↓	1405	12.87	21863671	Y	579.47	Y	H		AS
21	VER_021	↓	1140	91.11	21615622	Y	582.29	Y	H		AS
22	VER_022	↓	1155	54.51	21739726	Y	605.44	Y	H		AS
34	VER_034	↓	1400	12.86	21615519	Y	580.31	Y	H		AS
35D	VER_035&D	↓	1250	11.79	21564141	—	—	N	—	No Transducer	
36	VER_036	↓	1440	13.04	21863668	Y	591.29	Y	H		AS
37	VER_037	↓	1445	6.93	21863670	Y	577.27	Y	H		AS
38	VER_038	↓	1405	3.42	21863674	Y	588.83	Y	H		AS
40	VER_040	↓	1500	14.08	21863667	Y	578.62	Y	H		AS
41	VER_041	↓	1435	4.86	21615517	Y	582.74	Y	H		AS
42	VER_042	↓	1310	26.47	21863663	Y	584.28	Y	M		AS
43	VER_043	↓	1315	15.57	21615627	Y	592.56	Y	H		AS
70D	VER_070&D	↓	1210	36.89	21615620	Y	584.82	Y	H		AS
70S	VER_070#S	↓	1205	9.08	21615597	Y	585.26	Y	H		AS
71D	VER_071&D	↓	1220	38.22	21863675	Y	543.09	Y	H		AS
71S	VER_071#S	↓	1225	9.28	21615599	Y	597.83	Y	H		AS
ND3	VER_ND3	↓	1335	13.55	21863702	Y	620.81	Y	H		AS
NED1	VER_NED1	↓			21739721	+	—	N	—	FLOODED - NO access	
OED1	VER_OED1	↓	1525	40.47	21739731	Y	590.39	Y	H		AS
SG01	VER_SG01	↓	1610	16.16	21629313	21615604	673.77	Y	H		AS

U: 4/12/24 SSW

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #:		Start Date: <u>5/9/2024</u>		Time: <u>1200</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>5/9/24</u>		Time: <u>1235</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>103</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
pre	1200	0	123.28	0	13.5	6.99	2038	4.48	545.5	154.5	clear
purge	1205				13.5	6.99	2004	4.08	4319.2	194.5	clear
	1210				13.4	6.99	2003	4.00	1338.98	154.1	clear
	1215				13.5	6.99	2000	3.99	114.57	153.5	clear
	1220				13.4	6.99	1999	3.92	21.69	150.7	clear
	1225				13.3	6.99	2002	3.96	20.72	148.9	clear
	1230				13.3	6.99	2000	3.95	19.89	148.3	clear
Sample	1235	2	125.71	2.43	13.3	6.99	2000	3.96	19.01	148.4	clear
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor							Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing Conductance SU - Standard Units				

Sampled @ 1235

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION															
Site: <u>Vermilion</u>		Client: <u>Visira</u>													
Project Number: <u>2024.0099</u>		Task #:		Start Date: <u>5/9/2024</u>		Time: <u>0750</u>									
Field Personnel: <u>L. Filewicz / A. Savage</u>		Finish Date: <u>5/9/24</u>		Time: <u>0825</u>											
WELL INFORMATION				EVENT TYPE											
Well ID: <u>43</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): <u>Low Flow</u>							
WATER QUALITY INDICATOR PARAMETERS (continued)															
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity				
<u>pre</u>	<u>0750</u>	<u>0</u>	<u>17.22</u>	<u>0</u>	<u>11.8</u>	<u>7.14</u>	<u>1411</u>	<u>2.10</u>	<u>24.17</u>	<u>-93.7</u>	<u>clear</u>				
	<u>0755</u>				<u>11.8</u>	<u>7.16</u>	<u>1372</u>	<u>2.82</u>	<u>28.10</u>	<u>-67.7</u>	<u>clear</u>				
	<u>0800</u>				<u>11.8</u>	<u>7.17</u>	<u>1356</u>	<u>2.90</u>	<u>21.99</u>	<u>-70.6</u>	<u>clear</u>				
	<u>0805</u>				<u>11.8</u>	<u>7.20</u>	<u>1297</u>	<u>2.29</u>	<u>23.14</u>	<u>-72.3</u>	<u>clear</u>				
	<u>0810</u>				<u>11.8</u>	<u>7.21</u>	<u>1278</u>	<u>2.20</u>	<u>24.23</u>	<u>-74.1</u>	<u>clear</u>				
	<u>0815</u>				<u>11.8</u>	<u>7.22</u>	<u>1270</u>	<u>2.24</u>	<u>22.89</u>	<u>-75.1</u>	<u>clear</u>				
	<u>0820</u>				<u>11.8</u>	<u>7.22</u>	<u>1267</u>	<u>2.26</u>	<u>21.72</u>	<u>-76.2</u>	<u>clear</u>				
	<u>0825</u>	<u>4.5</u>	<u>21.19</u>	<u>3.97</u>	<u>11.8</u>	<u>7.23</u>	<u>1267</u>	<u>2.27</u>	<u>20.99</u>	<u>-77.9</u>	<u>clear</u>				
NOTES (continued)								ABBREVIATIONS							
<u>Bladder Pump / Clear / No Color / No odor</u>								Cond. - Actual Conductivity				ORP - Oxidation-Reduction Potential SEC - Specific Electrical			
								FT BTOC - Feet Below Top of Casing riser				Conductance SU - Standard Units			

sampler @ 0825

PROJECT INFORMATION

07/11/24

PROJECT INFORMATION

07/11/24

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION													
Site: <u>Vermilion</u>		Client: <u>Vistra</u>		Time: <u>12 10</u>		# of Bottles <u>6</u>							
Project Number: <u>1015</u>		Task #: <u> </u>		Start Date: <u>5 / 9 / 2024</u>								Time: <u>13 10</u>	
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>Same</u>		Time: <u> </u>									
WELL INFORMATION				EVENT TYPE									
Well ID: <u>1015</u> Casing ID: <u> </u> inches <u>2 1/4</u>				Well Development <u> </u> Well Volume Approach Sampling <u> </u> Low-Flow / Low Stress Sampling Other <u> </u> (Specify): Low Flow									
WATER QUALITY INDICATOR PARAMETERS (continued)													
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity		
Pre	1210		~~109.10~~		14.0	17.48	1223	3049.00	8421	-77.3			
	1215				14.1	17.48	1277	3308.00	53.47	-87.6			
	1220				13.9	17.48	1277	3344.00	92.30	-93.1			
	1225				14.0	17.48	1270	3370.88	228.56	-97.3			
	1230				14.0	17.48	1262	3370.47	279.51	-102.1			
	1235				14.0	17.48	1256	3396.84	427.92	-106.4			
	1240				13.8	17.47	1248	3411.99	410.41	-111.2			
	1245				13.7	17.49	1232	3426.31	303.25	-114.1			
	1250				13.7	17.49	1212	3427.0	168.24	-116.2			
	1255				13.8	17.49	1192	3434.16	78.42	-119.2			
	1300				13.7	17.49	1176	3430.48	73.33	-120.2			
	1305	2.56	109.10		13.9	17.48	1146	3405.26	209.29	-123.2			
	1310				14.0	17.48	1116	3394	126.29	-123.6			
NOTES (continued)								ABBREVIATIONS					
Bladder Pump / Clear / No Color / No odor								Cond - Actual Conductivity FT BTOT - Feet Below Top of Casing ne -					
								ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units					

PROJECT INFORMATION

O3 DUPE

PROJECT INFORMATION

42 MSD

PROJECT INFORMATION

42 ms

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2004.0099</u>		Task #:		Start Date: <u>5/8/2024</u>		Time: <u>1440</u>					
Field Personnel: <u>L. Filewicz / A. Savage</u>		Finish Date: <u>5/8/2024</u>		Time: <u>1505</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>2</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify) <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>pre</u>	<u>1440</u>	<u>0</u>	<u>18.05</u>	<u>0</u>	<u>14.2</u>	<u>7.78</u>	<u>1077</u>	<u>1.01</u>	<u>3.64</u>	<u>-54.0</u>	<u>clear</u>
<u>purg</u>	<u>1445</u>				<u>14.5</u>	<u>7.78</u>	<u>1076</u>	<u>1.81</u>	<u>4.19</u>	<u>-57.2</u>	<u>clear</u>
	<u>1450</u>				<u>14.8</u>	<u>7.78</u>	<u>1080</u>	<u>2.27</u>	<u>5.74</u>	<u>-59.5</u>	<u>clear</u>
	<u>1455</u>				<u>14.7</u>	<u>7.78</u>	<u>1082</u>	<u>2.13</u>	<u>8.18</u>	<u>-60.7</u>	<u>clear</u>
	<u>1500</u>				<u>14.6</u>	<u>7.78</u>	<u>1081</u>	<u>2.10</u>	<u>9.30</u>	<u>-62.7</u>	<u>clear</u>
<u>sample</u>	<u>1505</u>	<u>1.5</u>	<u>16.90</u>	<u>1.15</u>	<u>14.5</u>	<u>7.77</u>	<u>1069</u>	<u>2.09</u>	<u>9.89</u>	<u>-63.9</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / <u>Clear</u> / <u>No Color</u> / <u>No odor</u> <u>Wasp nest in well head</u>							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

sampled @ 1505

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #:		Start Date: <u>5/8/2024</u>		Time: <u>1345</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>5/8/24</u>		Time: <u>1410</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>310</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>pre</u>	<u>1345</u>	<u>0</u>	<u>13.30</u>	<u>0</u>	<u>11.9</u>	<u>7.33</u>	<u>1852</u>	<u>.83</u>	<u>92.12</u>	<u>-55.5</u>	<u>clear</u>
<u>purge</u>	<u>1350</u>				<u>11.8</u>	<u>7.37</u>	<u>1851</u>	<u>.31</u>	<u>53.04</u>	<u>-61.1</u>	<u>clear</u>
	<u>1355</u>				<u>11.9</u>	<u>7.42</u>	<u>1855</u>	<u>.07</u>	<u>11.810</u>	<u>-72.9</u>	<u>clear</u>
	<u>1400</u>				<u>11.7</u>	<u>7.43</u>	<u>1853</u>	<u>.06</u>	<u>12.72</u>	<u>-73.4</u>	<u>clear</u>
	<u>1405</u>				<u>11.7</u>	<u>7.43</u>	<u>1854</u>	<u>.05</u>	<u>11.89</u>	<u>-74.5</u>	<u>clear</u>
<u>sample</u>	<u>1410</u>	<u>4</u>	<u>13.13</u>	<u>0.17</u>	<u>11.7</u>	<u>7.43</u>	<u>1855</u>	<u>.05</u>	<u>11.71</u>	<u>-74.7</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor <u>murky brown @ first; cleared up after ~ 200 ml purged</u>							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

Sampled @ 1410

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>			Client: <u>Vistra</u>								
Project Number: <u>2024.0099</u> Task #:			Start Date: <u>5/8/2024</u> <u>1300</u>			Time: _____					
Field Personnel: <u>L. Filewicz / A. Savage</u>			Finish Date: <u>5/8/24</u>			Time: <u>1340</u>					
WELL INFORMATION				EVENT TYPE							
Well ID: <u>37</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): <u>Low-Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>1300</u>	<u>0</u>	<u>6.07</u>	<u>0</u>	<u>12.9</u>	<u>7.04</u>	<u>1355</u>	<u>.24</u>	<u>22.46</u>	<u>-99.1</u>	<u>clear</u>
<u>purge</u>	<u>1305</u>				<u>12.9</u>	<u>7.05</u>	<u>1350</u>	<u>.20</u>	<u>19.27</u>	<u>-101.7</u>	<u>clear</u>
	<u>1310</u>				<u>12.8</u>	<u>7.05</u>	<u>1348</u>	<u>.18</u>	<u>17.17</u>	<u>-104.1</u>	<u>clear</u>
	<u>1315</u>				<u>12.9</u>	<u>7.05</u>	<u>1345</u>	<u>.14</u>	<u>15.11</u>	<u>-105.6</u>	<u>clear</u>
	<u>1320</u>				<u>12.9</u>	<u>7.05</u>	<u>1344</u>	<u>.11</u>	<u>13.89</u>	<u>-107.8</u>	<u>clear</u>
	<u>1325</u>				<u>12.9</u>	<u>7.05</u>	<u>1344</u>	<u>.09</u>	<u>13.12</u>	<u>-109.3</u>	<u>clear</u>
	<u>1330</u>				<u>12.9</u>	<u>7.05</u>	<u>1340</u>	<u>.09</u>	<u>12.91</u>	<u>-110.5</u>	<u>clear</u>
<u>Sample</u>	<u>1340</u>	<u>2</u>	<u>6.76</u>	<u>.109</u>	<u>12.9</u>	<u>7.05</u>	<u>1339</u>	<u>.09</u>	<u>12.70</u>	<u>-110.8</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>							Cond. - Actual Conductivity				
							FT BTOC - Feet Below Top of Casing na -				
							ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units				

sampled @ 1340

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #: _____		Start Date: <u>5/8/2024</u>		Time: <u>1105</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>5/8/24</u>		Time: <u>1145</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>41</u>				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: <u>2</u> inches				Well Volume Approach Sampling				(Specify) <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>pre</u>	<u>1105</u>	<u>0</u>	<u>4.80</u>	<u>0</u>	<u>14.2</u>	<u>7.14</u>	<u>1120</u>	<u>0.51</u>	<u>33.80</u>	<u>-95.10</u>	<u>clear</u>
<u>purge</u>	<u>1110</u>				<u>14.1</u>	<u>7.15</u>	<u>1124</u>	<u>0.33</u>	<u>31.87</u>	<u>-103.5</u>	<u>clear</u>
	<u>1115</u>				<u>14.0</u>	<u>7.17</u>	<u>1126</u>	<u>0.22</u>	<u>53.10</u>	<u>-108.2</u>	<u>murky</u>
	<u>1120</u>				<u>14.0</u>	<u>7.18</u>	<u>1126</u>	<u>0.19</u>	<u>71.22</u>	<u>-109.6</u>	<u>murky</u>
	<u>1125</u>				<u>14.0</u>	<u>7.18</u>	<u>1128</u>	<u>0.17</u>	<u>93.83</u>	<u>-110.6</u>	<u>clear</u>
	<u>1130</u>				<u>13.8</u>	<u>7.18</u>	<u>1126</u>	<u>0.15</u>	<u>98.19</u>	<u>-111.1</u>	<u>clear</u>
	<u>1135</u>				<u>13.9</u>	<u>7.19</u>	<u>1128</u>	<u>0.14</u>	<u>24.59</u>	<u>-111.7</u>	<u>clear</u>
	<u>1140</u>				<u>13.9</u>	<u>7.18</u>	<u>1127</u>	<u>0.13</u>	<u>23.65</u>	<u>-112.7</u>	<u>clear</u>
<u>sample</u>	<u>1145</u>	<u>2</u>	<u>4.83</u>	<u>0.03</u>	<u>14.0</u>	<u>7.19</u>	<u>1128</u>	<u>0.12</u>	<u>24.03</u>	<u>-112.3</u>	<u>clear</u>
NOTES (continued)								ABBREVIATIONS			
Bladder Pump / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>								Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units			

sampled @ 1145

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #:		Start Date: <u>5/7/2024</u>		Time: <u>1310</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>5/7/24</u>		Time: <u>1335</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>17</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>pre</u>	<u>1310</u>	<u>0</u>	<u>37.63</u>	<u>0</u>	<u>13.6</u>	<u>6.67</u>	<u>2043</u>	<u>5.65</u>	<u>54.55</u>	<u>46.6</u>	<u>clear</u>
<u>purge</u>	<u>1315</u>				<u>13.3</u>	<u>6.64</u>	<u>2030</u>	<u>3.96</u>	<u>64.55</u>	<u>65.6</u>	<u>clear</u>
	<u>1320</u>				<u>13.3</u>	<u>6.64</u>	<u>2021</u>	<u>3.59</u>	<u>25.62</u>	<u>80.1</u>	<u>clear</u>
	<u>1325</u>				<u>13.4</u>	<u>6.64</u>	<u>2018</u>	<u>3.43</u>	<u>20.99</u>	<u>90.3</u>	<u>clear</u>
	<u>1330</u>				<u>13.4</u>	<u>6.64</u>	<u>2017</u>	<u>3.36</u>	<u>20.71</u>	<u>87.6</u>	<u>clear</u>
<u>sample</u>	<u>1335</u>	<u>2.5</u>	<u>39.25</u>	<u>1.62</u>	<u>13.4</u>	<u>6.64</u>	<u>2017</u>	<u>3.37</u>	<u>20.89</u>	<u>87.1</u>	<u>clear</u>
NOTES (continued)								ABBREVIATIONS			
Bladder Pump / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>								Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units			

*Sampled @ 1335
well went dry - sampled TOTAL metals & TDS on 5/7/24*

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #:		Start Date: <u>5 / 8 /2024</u>		Time: <u>0920</u>					
Field Personnel: <u>L. Filewicz / A. Savage</u>		Finish Date: <u>5/8/2024</u>		Time: <u>0950</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>4</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify) <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
pre	0920	0	7.10	0	12.5	7.72	548	0.55	5.63	-128.9	clear
purge	0925		7		12.5	7.72	546	0.33	7.48	-135.1	clear
	0930				12.4	7.72	546	0.28	6.30	-136.8	clear
	0935				12.4	7.72	545	0.26	5.75	-138.0	clear
	0940				12.5	7.72	545	0.24	4.85	-138.7	clear
sample	0945				12.6	7.72	545	0.21	4.33	-139.6	clear
	0950	3.	8.94	1.84	12.6	7.72	545	0.20	3.62	-140.1	clear
								~~0.19~~			
NOTES (continued)								ABBREVIATIONS			
Bladder Pump / Clear / No Color / No odor								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units			

sampled @ 0950

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermillion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #: _____		Start Date: <u>5 / 8 /2024</u>		Time: <u>0805</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>5/8/24</u>		Time: <u>0830</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>38</u>				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: <u>2</u> inches				Well Volume Approach Sampling				(Specify) <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>0810</u>	<u>0</u>	<u>3.39</u>	<u>0</u>	<u>12.3</u>	<u>7.08</u>	<u>949</u>	<u>1.95</u>	<u>51.82</u>	<u>-94.9</u>	<u>clear</u>
<u>purge</u>	<u>0810</u>				<u>12.2</u>	<u>7.06</u>	<u>958</u>	<u>2.20</u>	<u>21.4</u>	<u>-109.3</u>	<u>clear</u>
	<u>0815</u>				<u>12.2</u>	<u>7.06</u>	<u>947</u>	<u>1.54</u>	<u>20.62</u>	<u>-109.3</u>	<u>clear</u>
	<u>0820</u>				<u>12.3</u>	<u>7.06</u>	<u>957</u>	<u>1.56</u>	<u>22.03</u>	<u>-109.0</u>	<u>clear</u>
	<u>0825</u>				<u>12.4</u>	<u>7.06</u>	<u>958</u>	<u>1.61</u>	<u>22.98</u>	<u>-108.0</u>	<u>clear</u>
<u>sample</u>	<u>0830</u>	<u>3</u>	<u>3.37</u>	<u>0.2</u>	<u>12.4</u>	<u>7.06</u>	<u>957</u>	<u>1.60</u>	<u>22.54</u>	<u>-107.0</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
<u>Bladder Pump</u> / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOP - Feet Below Top of Casing ne Conductance SU - Standard Units				

sampled @ 0830

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermillion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #: _____		Start Date: <u>5/7/2024</u>		Time: <u>1150</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>5/7/24</u>		Time: <u>1210</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>40</u>				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: <u>2</u> inches				Well Volume Approach Sampling				(Specify) <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>pre</u>	<u>1150</u>	<u>0</u>	<u>14.08</u>	<u>0</u>	<u>15.9</u>	<u>6.43</u>	<u>3911</u>	<u>0.46</u>	<u>7.60</u>	<u>-71.9</u>	<u>clear</u>
<u>purge</u>	<u>1155</u>				<u>15.7</u>	<u>6.45</u>	<u>3846</u>	<u>0.26</u>	<u>5.72</u>	<u>-74.0</u>	<u>clear</u>
	<u>1200</u>				<u>15.5</u>	<u>6.46</u>	<u>3832</u>	<u>0.20</u>	<u>3.75</u>	<u>-75.4</u>	<u>clear</u>
<u>↓</u>	<u>1205</u>				<u>15.4</u>	<u>6.46</u>	<u>3819</u>	<u>0.19</u>	<u>3.36</u>	<u>-75.8</u>	<u>clear</u>
<u>Sample</u>	<u>1210</u>	<u>3.5</u>	<u>13.02</u>	<u>0.410</u>	<u>15.2</u>	<u>6.47</u>	<u>3796</u>	<u>0.19</u>	<u>2.77</u>	<u>-76.0</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor <u>used peristaltic pump</u>							Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na Conductance SU - Standard Units				

Dedicated Tubing & pump in well; not connected

Sampled @ 1210

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>2024.0099</u>		Task #: _____		Start Date: <u>5/7/2024</u>		Time: <u>1025</u>					
Field Personnel: <u>L. Filewicz & A. Savage</u>		Finish Date: <u>5/7/24</u>		Time: <u>1055</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>007R</u> Casing ID: <u>2</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>1025</u>	<u>0</u>	<u>23.70</u>	<u>0</u>	<u>15.1</u>	<u>7.35</u>	<u>21083</u>	<u>1.06</u>	<u>30.32</u>	<u>5.5</u>	<u>Brown</u>
	<u>1030</u>				<u>15.0</u>	<u>7.38</u>	<u>21090</u>	<u>0.86</u>	<u>9.68</u>	<u>-29.3</u>	<u>murky</u>
	<u>1035</u>				<u>15.0</u>	<u>7.35</u>	<u>21085</u>	<u>0.98</u>	<u>8.97</u>	<u>-26.7</u>	<u>murky</u>
	<u>1040</u>				<u>15.0</u>	<u>7.36</u>	<u>21090</u>	<u>.96</u>	<u>7.99</u>	<u>-29.4</u>	<u>murky</u>
	<u>1045</u>				<u>15.0</u>	<u>7.36</u>	<u>21088</u>	<u>1.00</u>	<u>7.72</u>	<u>-33.6</u>	<u>clear</u>
	<u>1050</u>				<u>15.0</u>	<u>7.36</u>	<u>21091</u>	<u>1.00</u>	<u>7.30</u>	<u>-32.9</u>	<u>clear</u>
	<u>1055</u>	<u>4</u>	<u>23.43</u>	<u>0.27</u>	<u>15.0</u>	<u>7.36</u>	<u>21094</u>	<u>1.01</u>	<u>7.52</u>	<u>-31.4</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor <u>Brown/murky</u> <u>peristaltic pump</u>							Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical				
							FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

Sampled @ 1055

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Vermilion Client: Visira
Project Number: 2024.0099 Task #: _____ Start Date: 5/7/2024 Time: 0820
Field Personnel: L. Filewic - A. Savage Finish Date: 5/7/24 Time: 0905

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

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre	0820	0	12.96	0	12.3	7.16	911	0.83	985.34	-97.5	clear
purge	0825				12.4	7.16	912	0.77	858.11	-98.0	clear
	0830				12.3	7.16	906	0.78	834.7	-97.3	clear
	0835				12.4	7.16	910	0.77	635.21	-99.2	clear
	0840				12.3	7.16	908	0.71	111.19	-96.9	clear
	0845				12.3	7.16	909	0.61	109.92	-96.7	clear
	0850				12.4	7.15	909	.51	68.12	-96.5	clear
	0855				12.3	7.15	911	.51	67.77	-96.3	clear
↓	~~1000~~ 0900				12.2	7.15	908	.49	68.53	-96.1	clear
sample	0905	4	12.98	0.02	12.2	7.15	909	.47	67.36	-96.1	clear

NOTES (continued)

ABBREVIATIONS

Bladder Pump / Clear / No Color / No odor

Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical
FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units

Sampled @ 0905 / 5/7/24
Time / DATE

W

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>			Client: <u>Vistra</u>								
Project Number: <u>2024.0099</u>			Task #: _____			Start Date: <u>5 / 7 / 2024</u>			Time: <u>1500</u>		
Field Personnel: <u>L. Filewicz - A. Savage</u>			Finish Date: _____			Time: <u>1525</u>					
WELL INFORMATION				EVENT TYPE							
Well ID: <u>22</u>				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: <u>2</u> inches				Well Volume Approach Sampling				(Specify) <u>Low Flow</u>			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>pre</u>	<u>1500</u>	<u>0</u>	<u>54.52</u>	<u>0</u>	<u>15.0</u>	<u>7.35</u>	<u>777</u>	<u>2.04</u>	<u>4.13</u>	<u>-65.8</u>	<u>clear</u>
<u>purge</u>	<u>1505</u>				<u>15.1</u>	<u>7.36</u>	<u>777</u>	<u>0.76</u>	<u>4.30</u>	<u>-65.8</u>	<u>clear</u>
	<u>1510</u>				<u>15.2</u>	<u>7.36</u>	<u>777</u>	<u>0.63</u>	<u>4.00</u>	<u>-65.9</u>	<u>clear</u>
	<u>1515</u>				<u>15.0</u>	<u>7.36</u>	<u>779</u>	<u>0.89</u>	<u>2.59</u>	<u>-67.8</u>	<u>clear</u>
	<u>1520</u>				<u>15.1</u>	<u>7.36</u>	<u>780</u>	<u>0.93</u>	<u>3.17</u>	<u>-67.6</u>	<u>clear</u>
<u>sample</u>	<u>1525</u>	<u>4</u>	<u>57.11</u>	<u>0.39</u>	<u>15.2</u>	<u>7.36</u>	<u>780</u>	<u>0.95</u>	<u>3.21</u>	<u>-67.1</u>	<u>clear</u>
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOP - Feet Below Top of Casing na - Conductance SU - Standard Units				

sampled @ 1525

PROJECT INFORMATION

Bladder Pump / Clear / No Color / No odor

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermillion</u>		Client: <u>Visira</u>									
Project Number: <u>0099</u>		Task #: <u></u>		Start Date: <u>5/8/2024</u>		Time: <u>1410</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>same</u>		Time: <u>1445</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>05</u>				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: <u>2"</u> inches				Well Volume Approach Sampling				(Specify): Low Flow			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>1410</u>		<u>7.09</u>		<u>13.2</u>	<u>17.51</u>	<u>831</u>	<u>3.242</u>	<u>1628</u>	<u>138.4</u>	
<u>Purge</u>	<u>1415</u>				<u>13.0</u>	<u>17.51</u>	<u>791</u>	<u>3.426</u>	<u>1119</u>	<u>117.6</u>	
	<u>1420</u>				<u>13.2</u>	<u>17.51</u>	<u>788</u>	<u>3.462</u>	<u>6.15</u>	<u>97.7</u>	
	<u>1425</u>				<u>12.9</u>	<u>17.52</u>	<u>788</u>	<u>3.514</u>	<u>5.12</u>	<u>91.3</u>	
	<u>1430</u>				<u>13.0</u>	<u>17.52</u>	<u>786</u>	<u>3.506</u>	<u>4.70</u>	<u>81.0</u>	
	<u>1435</u>				<u>13.0</u>	<u>17.52</u>	<u>786</u>	<u>3.512</u>	<u>4.02</u>	<u>70.9</u>	
	<u>1440</u>				<u>12.8</u>	<u>17.52</u>	<u>786</u>	<u>3.529</u>	<u>3.84</u>	<u>69.7</u>	
	<u>1445</u>	<u>2.56</u>	<u>7.22</u>		<u>12.8</u>	<u>17.51</u>	<u>785</u>	<u>3.531</u>	<u>3.80</u>	<u>66.2</u>	
NOTES (continued)							ABBREVIATIONS				
<u>Bladder Pump / Clear / No Color / No odor</u>							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical				
							FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>		Project Number: _____		Task #: _____		Start Date: <u>5/8/2024</u>		Time: <u>1250</u>	
Field Personnel: <u>L. Filewicz - A. Savage</u>				Finish Date: <u>Same</u>		Time: <u>1305</u>					
WELL INFORMATION						EVENT TYPE					
Well ID: <u>35P</u> Casing ID: <u>2.1</u> inches						Well Development Well Volume Approach Sampling <u>Low-Flow</u> / Low Stress Sampling Other (Specify): Low Flow					
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>1250</u>		<u>11.75</u>		<u>14.3</u>	<u>17.47</u>	<u>4913</u>	<u>3621.20</u>	<u>11.51</u>	<u>-44.4</u>	
<u>Purge</u>	<u>1255</u>				<u>14.6</u>	<u>17.46</u>	<u>4905</u>	<u>3141.70</u>	<u>10.76</u>	<u>-58.6</u>	
	<u>1300</u>				<u>14.9</u>	<u>17.45</u>	<u>4948</u>	<u>3168.88</u>	<u>11.41</u>	<u>-59.3</u>	
	<u>1305</u>	<u>LG</u>	<u>17.65</u>		<u>15.1</u>	<u>17.44</u>	<u>4841</u>	<u>3126.40</u>	<u>12.60</u>	<u>-51.7</u>	
NOTES (continued)								ABBREVIATIONS			
<u>Bladder Pump / Clear / No Color / No odor</u> <u>Peristaltic Pump.</u>								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical			
								FT BTOC - Feet Below Top of Casing ne - Conductance SU - Standard Units			

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Visira</u>									
Project Number: _____		Task #: _____		Start Date: <u>5/8</u> /2024		Time: <u>1200</u>					
Field Personnel: <u>L. Filewicz A. Savage</u>		Finish Date: <u>Same</u>		Time: <u>12.25</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>10</u> Casing ID: <u>2"</u> inches				Well Development Well Volume Approach Sampling <u>Low-Flow</u> Low Stress Sampling Other (Specify): Low Flow							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>1200</u>		<u>49.10</u>		<u>15.5</u>	<u>17.42</u>	<u>1455</u>	<u>1642</u>	<u>94.72</u>	<u>168.7</u>	
<u>Purge</u>	<u>1205</u>				<u>15.0</u>	<u>17.44</u>	<u>1461</u>	<u>192633</u>	<u>39.42</u>	<u>88.8</u>	
	<u>1210</u>				<u>15.0</u>	<u>17.44</u>	<u>1456</u>	<u>1955.70</u>	<u>9.83</u>	<u>79.0</u>	
	<u>1215</u>				<u>14.8</u>	<u>17.45</u>	<u>1459</u>	<u>195770</u>	<u>8.42</u>	<u>79.1</u>	
	<u>1220</u>				<u>14.7</u>	<u>17.45</u>	<u>1459</u>	<u>1963.70</u>	<u>7.74</u>	<u>78.7</u>	
	<u>1225</u>	<u>1.53</u>	<u>53.50</u>								
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

Filled 4 3/4 Bottles.
Well went DRY

PROJECT INFORMATION

No Samples No Water
12.45 Bottom 12.01 Water

PROJECT INFORMATION

07/11/24

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Vermillion		Client: Vistra									
Project Number: ~~822~~ 24-0099		Task #:		Start Date: 5 / 8 /2024		Time: 0815					
Field Personnel: L. Filewicz - A. Savage		Finish Date: Same		Time: 0830							
WELL INFORMATION				EVENT TYPE							
Well ID: 71P				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: 2" inches				Well Volume Approach Sampling				(Specify) Low Flow			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre	815		38.82		13.6	17.49	3886	2407.48	33.71	146.2	
Purge	820				13.4	17.50	3881	2487.20	32.29	146.2	
	825				13.8	17.49	3890	2800.20	31.10	144.5	
	830	1.5G			14.0	17.48	3839	2757	31.40	137.2	
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor							Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na Conductance SU - Standard Units				

Re-Install Bladder Pump.
Water Filled YSI / STABLE Readings
Fill METALS Bottle & well went Dry

PROJECT INFORMATION

Well is Dry.
no sampling

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Vermillion		Client: Vistra		Project Number:		Task #:		Start Date: 5/7/2024		Time: 1550	
Field Personnel: L. Filewicz - A. Savage		Finish Date: same								Time: 1625	
WELL INFORMATION				EVENT TYPE							
Well ID: 700				Well Development				Low-Flow / Low Stress Sampling Other			
Casing ID: 2" inches				Well Volume Approach Sampling				(Specify): Low Flow			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre-Purge	1550		41.04		13.6	17.49	8460	-3112.60	229.20	57.8	Rusty
Purge	1555				15.0	17.44	3136	-2850.7	275.30	68.7	
	1600				17.1	17.36	3110	-2596.70	216.18	86.4	
	1605				18.2	17.33	3068	-2311.50	196.40	100.7	
	1610				18.2	17.33	2972	-2188.20	161.70	110.7	
	1615				18.2	17.33	2942	-2151.22	151.70	114.4	
	1620				18.0	17.34	2871	-2110.22	149.80	120.2	
	1625		43.43		14.0	17.35	2810	-2109.27	148.70	121.3	
NOTES (continued)								ABBREVIATIONS			
Bladder Pump / ~~Bladder Pump~~ / No odor								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units			

Re Installed Pipe work & Bladder
seems to be Pumping water

PROJECT INFORMATION

by

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Vermillion		Client: Vistra		Project Number: 24-0699		Task #:		Start Date: 5/7/2024		Time: 1400	
Field Personnel: L. Filewicz - A. Savage		Finish Date: Same						Time: 1415			
WELL INFORMATION				EVENT TYPE							
Well ID: 71.5 Casing ID: 2 inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): Low Flow			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
Pre	1400		9.30		14.3	17.47	821	2366.17	15.02	81.6	
Purge	1405				15.8	17.41	831	2539.19	5.37	104.5	
	1410				16.3	17.40	843	2611.12	5.34	108.2	
	1415	1.5	9.27		16.5	17.39	841	2606.99	5.22	106.5	
NOTES (continued)							ABBREVIATIONS				
Bladder Pump / Clear / No Color / No odor							Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units				

Peristaltic Pump used.

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermillion</u>		Client: <u>Vistra</u>									
Project Number: <u>24-0099</u>		Task #: _____		Start Date: <u>5/7/2024</u>		Time: <u>900</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>Same</u>		Time: <u>0915</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>20</u> Casing ID: <u>2"</u> inches				Well Development ☐ Low Stress Sampling Other ☐ Well Volume Approach Sampling ☒ (Specify) Low Flow							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>0900</u>		<u>13.9</u>		<u>11.5</u>	<u>17.57</u>	<u>716</u>	<u>-3658</u>	<u>16.50</u>	<u>22.3</u>	<u>clear</u>
	<u>0905</u>				<u>11.4</u>	<u>17.58</u>	<u>726</u>	<u>-3723</u>	<u>9.56</u>	<u>9.1</u>	
	<u>0910</u>				<u>11.4</u>	<u>17.59</u>	<u>727</u>	<u>-3726</u>	<u>10.20</u>	<u>9.7</u>	
	<u>0915</u>	<u>2 GAL</u>	<u>13.1</u>		<u>11.4</u>	<u>17.58</u>	<u>730</u>	<u>3735</u>	<u>10.71</u>	<u>10.1</u>	
	<u>0920</u>										
NOTES (continued)								ABBREVIATIONS			
<u>Bladder Pump</u> / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>								Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units			

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: <u>Vermilion</u>		Client: <u>Vistra</u>									
Project Number: <u>24-0099</u>		Task #:		Start Date: <u>5 / 7 /2024</u>		Time: <u>1025</u>					
Field Personnel: <u>L. Filewicz - A. Savage</u>		Finish Date: <u>Same</u>		Time: <u>1055</u>							
WELL INFORMATION				EVENT TYPE							
Well ID: <u>021</u> Casing ID: <u>2"</u> inches				Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): Low Flow			
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) 10%	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
<u>Pre</u>	<u>10 25</u>		<u>91.29</u>		<u>14.0</u>	<u>17.48</u>	<u>913</u>	<u>-2423.48</u>	<u>77.84</u>	<u>-131.2</u>	<u>Clear</u>
<u>Burge</u>	<u>10 30</u>				<u>14.1</u>	<u>17.48</u>	<u>817</u>	<u>-2836.0</u>	<u>88.48</u>	<u>-152.3</u>	
	<u>10 35</u>				<u>14.1</u>	<u>17.48</u>	<u>780</u>	<u>-2592.0</u>	<u>97.48</u>	<u>-162.7</u>	
	<u>10 40</u>				<u>14.2</u>	<u>17.47</u>	<u>766</u>	<u>-2760.0</u>	<u>2427</u>	<u>-155.8</u>	
	<u>10 45</u>				<u>14.0</u>	<u>17.48</u>	<u>760</u>	<u>-2771.50</u>	<u>13.39</u>	<u>-182.7</u>	
	<u>10 50</u>				<u>14.1</u>	<u>17.48</u>	<u>758</u>	<u>-2988.6</u>	<u>10.22</u>	<u>-174.5</u>	
	<u>10 55</u>	<u>3 GAL</u>	<u>96.91</u>		<u>14.0</u>	<u>17.48</u>	<u>758</u>	<u>-2941.6</u>	<u>8.17</u>	<u>-179.8</u>	
NOTES (continued)								ABBREVIATIONS			
<u>Bladder Pump</u> / <u>Clear</u> / <u>No Color</u> / <u>No odor</u>								Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units			

ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Voelker
Vistra Energy Corp
133 S 4th, Suite 206
Springfield, Illinois 62701
Generated 07/10/24 09:11:09 Revision 1

JOB DESCRIPTION

VER-24Q2
VER_000_RAD

JOB NUMBER

500-251785-2

Job Notes

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Authorization



Authorized for release by
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Revision 1

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-250240-2

Client: Vistra Energy Corp
Project: VER-24Q2

Job ID: 500-250240-2

Eurofins Chicago

Job Narrative 500-250240-2

Receipt

The samples were received on 05/09/24 10:30. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.8° C, 1.4° C, 1.8° C, 2.2° C, 2.9° C, 3.4° C, 4.2° C, 4.8° C, 4.9° C and 5.2° C.

Receipt Exceptions

Received the TDS, Alk & FI bottle empty for sample 5 and only received the total metals bottle for sample 23. VER_010 (500-250240-5) and VER_071&D (500-250240-23)

Results not reported for the following wells due to an error with the field sampling equipment, resulting in unusable field pH and dissolved oxygen. Wells will be resampled: VER_003R, 005, 008R, 010, 016A, 020, 035&D, 021, 042, 070#S, 070&D, 071#S, 071&D, 101&

RAD

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

Eurofins Chicago

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2

Client: Vistra Energy Corp
Project: VER-24Q2

Job ID: 500-251785-2

Eurofins Chicago

Job Narrative 500-251785-2

Revision

The report being provided is a revision of the original report sent on 07/09/24. The report (revision 1) is being revised due to: Correct sample date for VER_041 to 05/08/24.

Receipt

The samples were received on 06/07/24 09:45. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.5° C, 3.5° C, 3.7° C, 4.2° C and 5.0° C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of less than 2. The following samples were received with insufficient preservation at a pH of 7: VER_042 (500-251785-12[MS]) and VER_042 (500-251785-12[MSD]). The samples were preserved to the appropriate pH in the laboratory.

Affected Containers

500-251785-E-12
500-251785-E-12

Requested Analysis

903.0/PrecSep_21 BL
904.0/PrecSep_0 BL
Ra226/228GFPC_P/BL

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Samples #9 and #10 not checked off for any analysis, logged per pervious practice (912,912NPDEs,000RAD,000_A).

The Chain-of-Custody (COC) was incomplete as received. The sampler only signed in the "Sampler Name and Signature" field for each page, including the relinquished date and time when signing. The "Relinquished By" fields were not signed and dated.

RAD

Method 904.0: Radium 228 Batch 160-665655: The detection goal was not met for the following sample due to the presence of matrix interferences: VER_070#S (500-251785-13). 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.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Client Sample ID: VER_002	Lab Sample ID: 500-250240-1
No Detections.	
Client Sample ID: VER_004	Lab Sample ID: 500-250240-2
No Detections.	
Client Sample ID: VER_007R	Lab Sample ID: 500-250240-4
No Detections.	
Client Sample ID: VER_022	Lab Sample ID: 500-250240-9
No Detections.	
Client Sample ID: VER_034	Lab Sample ID: 500-250240-10
No Detections.	
Client Sample ID: VER_036	Lab Sample ID: 500-250240-12
No Detections.	
Client Sample ID: VER_036_FD	Lab Sample ID: 500-250240-13
No Detections.	
Client Sample ID: VER_037	Lab Sample ID: 500-250240-14
No Detections.	
Client Sample ID: VER_038	Lab Sample ID: 500-250240-15
No Detections.	
Client Sample ID: VER_040	Lab Sample ID: 500-250240-16
No Detections.	
Client Sample ID: VER_040_FD	Lab Sample ID: 500-250240-17
No Detections.	
Client Sample ID: VER_041	Lab Sample ID: 500-250240-18
No Detections.	
Client Sample ID: VER_017	Lab Sample ID: 500-250240-27
No Detections.	
Client Sample ID: VER_043	Lab Sample ID: 500-250240-28
No Detections.	
Client Sample ID: VER_043_FD	Lab Sample ID: 500-250240-29
No Detections.	
Client Sample ID: VER_103&	Lab Sample ID: 500-250240-31
No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Client Sample ID: VER_FB	Lab Sample ID: 500-250240-32
No Detections.	
Client Sample ID: VER_EB1	Lab Sample ID: 500-250240-33
No Detections.	
Client Sample ID: VER_EB2	Lab Sample ID: 500-250240-34
No Detections.	
Client Sample ID: VER_EB3	Lab Sample ID: 500-250240-35
No Detections.	
Client Sample ID: VER_003R	Lab Sample ID: 500-251785-1
No Detections.	
Client Sample ID: VER_003R_FD	Lab Sample ID: 500-251785-2
No Detections.	
Client Sample ID: VER_005	Lab Sample ID: 500-251785-3
No Detections.	
Client Sample ID: VER_008R	Lab Sample ID: 500-251785-4
No Detections.	
Client Sample ID: VER_010	Lab Sample ID: 500-251785-5
No Detections.	
Client Sample ID: VER_016A	Lab Sample ID: 500-251785-6
No Detections.	
Client Sample ID: VER_020	Lab Sample ID: 500-251785-7
No Detections.	
Client Sample ID: VER_021	Lab Sample ID: 500-251785-8
No Detections.	
Client Sample ID: VER_EB1	Lab Sample ID: 500-251785-9
No Detections.	
Client Sample ID: VER_FB	Lab Sample ID: 500-251785-10
No Detections.	
Client Sample ID: VER_035&D	Lab Sample ID: 500-251785-11
No Detections.	
Client Sample ID: VER_042	Lab Sample ID: 500-251785-12
No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Client Sample ID: VER_070#S	Lab Sample ID: 500-251785-13
No Detections.	
Client Sample ID: VER_070&D	Lab Sample ID: 500-251785-14
No Detections.	
Client Sample ID: VER_101&	Lab Sample ID: 500-251785-15
No Detections.	

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-2024-09-01
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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-250240-1	VER_002	Water	05/08/24 15:05	05/09/24 10:30
500-250240-2	VER_004	Water	05/08/24 09:50	05/09/24 10:30
500-250240-4	VER_007R	Water	05/07/24 10:55	05/09/24 10:30
500-250240-9	VER_022	Water	05/07/24 15:25	05/09/24 10:30
500-250240-10	VER_034	Water	05/07/24 09:05	05/09/24 10:30
500-250240-12	VER_036	Water	05/08/24 14:10	05/09/24 10:30
500-250240-13	VER_036_FD	Water	05/08/24 14:10	05/09/24 10:30
500-250240-14	VER_037	Water	05/08/24 13:40	05/09/24 10:30
500-250240-15	VER_038	Water	05/08/24 08:30	05/09/24 10:30
500-250240-16	VER_040	Water	05/07/24 12:10	05/09/24 10:30
500-250240-17	VER_040_FD	Water	05/07/24 12:10	05/09/24 10:30
500-250240-18	VER_041	Water	05/08/24 11:45	05/09/24 10:30
500-250240-27	VER_017	Water	05/09/24 08:45	05/10/24 11:00
500-250240-28	VER_043	Water	05/09/24 08:25	05/10/24 11:00
500-250240-29	VER_043_FD	Water	05/09/24 08:25	05/10/24 11:00
500-250240-31	VER_103&	Water	05/09/24 12:35	05/10/24 11:00
500-250240-32	VER_FB	Water	05/09/24 15:30	05/10/24 11:00
500-250240-33	VER_EB1	Water	05/09/24 15:40	05/10/24 11:00
500-250240-34	VER_EB2	Water	05/09/24 15:50	05/10/24 11:00
500-250240-35	VER_EB3	Water	05/09/24 16:00	05/10/24 11:00
500-251785-1	VER_003R	Water	06/06/24 13:15	06/07/24 09:45
500-251785-2	VER_003R_FD	Water	06/06/24 13:15	06/07/24 09:45
500-251785-3	VER_005	Water	06/06/24 15:35	06/07/24 09:45
500-251785-4	VER_008R	Water	06/06/24 14:20	06/07/24 09:45
500-251785-5	VER_010	Water	06/06/24 17:00	06/07/24 09:45
500-251785-6	VER_016A	Water	06/06/24 12:10	06/07/24 09:45
500-251785-7	VER_020	Water	06/06/24 14:35	06/07/24 09:45
500-251785-8	VER_021	Water	06/06/24 16:05	06/07/24 09:45
500-251785-9	VER_EB1	Water	06/06/24 18:00	06/07/24 09:45
500-251785-10	VER_FB	Water	06/06/24 18:10	06/07/24 09:45
500-251785-11	VER_035&D	Water	06/06/24 11:55	06/07/24 09:45
500-251785-12	VER_042	Water	06/06/24 13:15	06/07/24 09:45
500-251785-13	VER_070#S	Water	06/06/24 09:55	06/07/24 09:45
500-251785-14	VER_070&D	Water	06/06/24 10:40	06/07/24 09:45
500-251785-15	VER_101&	Water	06/06/24 17:40	06/07/24 09:45

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_002

Date Collected: 05/08/24 15:05

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-1

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	0.179		0.124	0.125	1.00	0.170	pCi/L	05/13/24 10:17	06/05/24 18:46	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	05/13/24 10:17	06/05/24 18:46	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	0.446	U	0.379	0.381	1.00	0.594	pCi/L	05/13/24 10:26	06/03/24 12:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	05/13/24 10:26	06/03/24 12:32	1
Y Carrier	81.9		30 - 110	05/13/24 10:26	06/03/24 12:32	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	0.625		0.399	0.401	5.00	0.594	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_004

Lab Sample ID: 500-250240-2

Date Collected: 05/08/24 09:50

Matrix: Water

Date Received: 05/09/24 10:30

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	0.436		0.164	0.169	1.00	0.155	pCi/L	05/13/24 10:17	06/05/24 18:46	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110	05/13/24 10:17	06/05/24 18:46	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	0.794		0.430	0.436	1.00	0.613	pCi/L	05/13/24 10:26	06/03/24 12:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110	05/13/24 10:26	06/03/24 12:32	1
Y Carrier	78.9		30 - 110	05/13/24 10:26	06/03/24 12:32	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	1.23		0.460	0.468	5.00	0.613	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_007R

Lab Sample ID: 500-250240-4

Date Collected: 05/07/24 10:55

Matrix: Water

Date Received: 05/09/24 10:30

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	-0.0375	U	0.119	0.119	1.00	0.261	pCi/L	05/13/24 10:17	06/05/24 18:46	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	67.4		30 - 110	05/13/24 10:17	06/05/24 18:46	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	0.0984	U	0.363	0.363	1.00	0.662	pCi/L	05/13/24 10:26	06/03/24 12:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	67.4		30 - 110	05/13/24 10:26	06/03/24 12:31	1
Y Carrier	84.5		30 - 110	05/13/24 10:26	06/03/24 12:31	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	0.0984	U	0.382	0.382	5.00	0.662	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_022

Lab Sample ID: 500-250240-9

Date Collected: 05/07/24 15:25

Matrix: Water

Date Received: 05/09/24 10:30

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	0.478		0.193	0.198	1.00	0.223	pCi/L	05/13/24 10:17	06/05/24 18:47	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110	05/13/24 10:17	06/05/24 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	0.412	U	0.298	0.300	1.00	0.444	pCi/L	05/13/24 10:26	06/03/24 12:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110	05/13/24 10:26	06/03/24 12:31	1
Y Carrier	84.1		30 - 110	05/13/24 10:26	06/03/24 12:31	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	0.890		0.355	0.359	5.00	0.444	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_034

Lab Sample ID: 500-250240-10

Date Collected: 05/07/24 09:05

Matrix: Water

Date Received: 05/09/24 10:30

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	0.227	U	0.181	0.182	1.00	0.268	pCi/L	05/13/24 10:17	06/05/24 20:04	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110	05/13/24 10:17	06/05/24 20:04	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	0.736	U	0.585	0.589	1.00	0.912	pCi/L	05/13/24 10:26	06/03/24 12:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110	05/13/24 10:26	06/03/24 12:31	1
Y Carrier	82.2		30 - 110	05/13/24 10:26	06/03/24 12:31	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	0.963		0.612	0.616	5.00	0.912	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_036

Lab Sample ID: 500-250240-12

Date Collected: 05/08/24 14:10

Matrix: Water

Date Received: 05/09/24 10:30

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	0.386		0.184	0.188	1.00	0.237	pCi/L	05/13/24 10:17	06/05/24 18:47	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110	05/13/24 10:17	06/05/24 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	0.652		0.432	0.436	1.00	0.645	pCi/L	05/13/24 10:26	06/03/24 13:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110	05/13/24 10:26	06/03/24 13:57	1
Y Carrier	85.2		30 - 110	05/13/24 10:26	06/03/24 13:57	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	1.04		0.470	0.475	5.00	0.645	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_036_FD

Lab Sample ID: 500-250240-13

Date Collected: 05/08/24 14:10

Matrix: Water

Date Received: 05/09/24 10:30

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	0.366	U	0.263	0.265	1.00	0.387	pCi/L	05/13/24 10:00	06/06/24 22:49	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.0		30 - 110	05/13/24 10:00	06/06/24 22:49	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	0.879		0.400	0.408	1.00	0.540	pCi/L	05/13/24 10:06	06/06/24 11:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.0		30 - 110	05/13/24 10:06	06/06/24 11:53	1
Y Carrier	81.9		30 - 110	05/13/24 10:06	06/06/24 11:53	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	1.25		0.479	0.487	5.00	0.540	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_037

Lab Sample ID: 500-250240-14

Date Collected: 05/08/24 13:40

Matrix: Water

Date Received: 05/09/24 10:30

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	0.637		0.369	0.374	1.00	0.499	pCi/L	05/13/24 10:00	06/06/24 22:49	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110	05/13/24 10:00	06/06/24 22:49	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	1.64		0.572	0.591	1.00	0.686	pCi/L	05/13/24 10:06	06/06/24 11:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110	05/13/24 10:06	06/06/24 11:53	1
Y Carrier	82.2		30 - 110	05/13/24 10:06	06/06/24 11:53	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	2.28		0.681	0.699	5.00	0.686	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_038

Lab Sample ID: 500-250240-15

Date Collected: 05/08/24 08:30

Matrix: Water

Date Received: 05/09/24 10:30

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	0.287	U	0.279	0.280	1.00	0.439	pCi/L	05/13/24 10:00	06/06/24 22:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.0		30 - 110	05/13/24 10:00	06/06/24 22:41	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	1.13		0.550	0.560	1.00	0.765	pCi/L	05/13/24 10:06	06/06/24 11:55	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.0		30 - 110	05/13/24 10:06	06/06/24 11:55	1
Y Carrier	81.1		30 - 110	05/13/24 10:06	06/06/24 11:55	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	1.41		0.617	0.626	5.00	0.765	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_040

Lab Sample ID: 500-250240-16

Date Collected: 05/07/24 12:10

Matrix: Water

Date Received: 05/09/24 10:30

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	0.0493	U	0.159	0.159	1.00	0.300	pCi/L	05/13/24 10:00	06/06/24 22:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110	05/13/24 10:00	06/06/24 22:41	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		0.377	0.385	1.00	0.491	pCi/L	05/13/24 10:06	06/06/24 11:55	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110	05/13/24 10:06	06/06/24 11:55	1
Y Carrier	84.1		30 - 110	05/13/24 10:06	06/06/24 11:55	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	0.910		0.409	0.417	5.00	0.491	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_040_FD

Lab Sample ID: 500-250240-17

Date Collected: 05/07/24 12:10

Matrix: Water

Date Received: 05/09/24 10:30

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	0.198	U	0.176	0.177	1.00	0.264	pCi/L	05/13/24 10:00	06/06/24 22:41	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110	05/13/24 10:00	06/06/24 22:41	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	0.919		0.375	0.385	1.00	0.476	pCi/L	05/13/24 10:06	06/06/24 11:55	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110	05/13/24 10:06	06/06/24 11:55	1
Y Carrier	83.4		30 - 110	05/13/24 10:06	06/06/24 11:55	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	1.12		0.414	0.424	5.00	0.476	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_041

Lab Sample ID: 500-250240-18

Date Collected: 05/08/24 11:45

Matrix: Water

Date Received: 05/09/24 10:30

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	0.243	U	0.261	0.262	1.00	0.416	pCi/L	05/13/24 10:00	06/06/24 22:42	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110	05/13/24 10:00	06/06/24 22:42	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	1.31		0.559	0.571	1.00	0.735	pCi/L	05/13/24 10:06	06/06/24 11:55	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110	05/13/24 10:06	06/06/24 11:55	1
Y Carrier	83.4		30 - 110	05/13/24 10:06	06/06/24 11:55	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	1.55		0.617	0.628	5.00	0.735	pCi/L		06/06/24 14:40	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_017

Lab Sample ID: 500-250240-27

Date Collected: 05/09/24 08:45

Matrix: Water

Date Received: 05/10/24 11:00

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	-0.0356	U	0.176	0.176	1.00	0.358	pCi/L	05/14/24 09:06	06/05/24 14:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110	05/14/24 09:06	06/05/24 14:15	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	0.260	U	0.367	0.367	1.00	0.617	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	85.2		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.260	U	0.407	0.407	5.00	0.617	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_043

Lab Sample ID: 500-250240-28

Date Collected: 05/09/24 08:25

Matrix: Water

Date Received: 05/10/24 11:00

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	0.337		0.218	0.220	1.00	0.306	pCi/L	05/14/24 09:06	06/05/24 14:15	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	05/14/24 09:06	06/05/24 14:15	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	0.410	U	0.345	0.347	1.00	0.537	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	82.2		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.747		0.408	0.411	5.00	0.537	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_043_FD

Lab Sample ID: 500-250240-29

Date Collected: 05/09/24 08:25

Matrix: Water

Date Received: 05/10/24 11:00

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	0.372		0.211	0.214	1.00	0.277	pCi/L	05/14/24 09:06	06/05/24 14:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	80.3		30 - 110	05/14/24 09:06	06/05/24 14:07	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	0.614		0.410	0.414	1.00	0.609	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	80.3		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	83.4		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.987		0.461	0.466	5.00	0.609	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_103&

Lab Sample ID: 500-250240-31

Date Collected: 05/09/24 12:35

Matrix: Water

Date Received: 05/10/24 11:00

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	0.0499	U	0.157	0.158	1.00	0.293	pCi/L	05/14/24 09:06	06/05/24 14:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110	05/14/24 09:06	06/05/24 14:07	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	-0.0523	U	0.335	0.335	1.00	0.639	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	86.7		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.0499	U	0.370	0.370	5.00	0.639	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_FB

Lab Sample ID: 500-250240-32

Date Collected: 05/09/24 15:30

Matrix: Water

Date Received: 05/10/24 11:00

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	0.0398	U	0.128	0.129	1.00	0.242	pCi/L	05/14/24 09:06	06/05/24 14:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	05/14/24 09:06	06/05/24 14:07	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	0.233	U	0.315	0.316	1.00	0.528	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	79.6		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.273	U	0.340	0.341	5.00	0.528	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_EB1

Lab Sample ID: 500-250240-33

Date Collected: 05/09/24 15:40

Matrix: Water

Date Received: 05/10/24 11:00

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	0.0895	U	0.135	0.135	1.00	0.232	pCi/L	05/14/24 09:06	06/05/24 14:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110	05/14/24 09:06	06/05/24 14:07	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	0.213	U	0.356	0.357	1.00	0.610	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	83.4		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.302	U	0.381	0.382	5.00	0.610	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_EB2

Lab Sample ID: 500-250240-34

Date Collected: 05/09/24 15:50

Matrix: Water

Date Received: 05/10/24 11:00

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	0.0919	U	0.139	0.139	1.00	0.239	pCi/L	05/14/24 09:06	06/05/24 14:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110	05/14/24 09:06	06/05/24 14:07	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	-0.175	U	0.267	0.268	1.00	0.549	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	86.4		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.0919	U	0.301	0.302	5.00	0.549	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_EB3

Lab Sample ID: 500-250240-35

Date Collected: 05/09/24 16:00

Matrix: Water

Date Received: 05/10/24 11:00

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	0.0434	U	0.121	0.121	1.00	0.226	pCi/L	05/14/24 09:06	06/05/24 14:08	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110	05/14/24 09:06	06/05/24 14:08	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	0.291	U	0.347	0.348	1.00	0.572	pCi/L	05/14/24 09:11	06/04/24 12:04	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110	05/14/24 09:11	06/04/24 12:04	1
Y Carrier	88.2		30 - 110	05/14/24 09:11	06/04/24 12:04	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	0.334	U	0.367	0.368	5.00	0.572	pCi/L		06/07/24 16:03	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_003R

Lab Sample ID: 500-251785-1

Date Collected: 06/06/24 13:15

Matrix: Water

Date Received: 06/07/24 09:45

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	0.460		0.165	0.170	1.00	0.168	pCi/L	06/11/24 08:06	07/05/24 15:07	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110	06/11/24 08:06	07/05/24 15:07	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	1.60		0.591	0.609	1.00	0.724	pCi/L	06/11/24 08:09	06/28/24 12:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110	06/11/24 08:09	06/28/24 12:36	1
Y Carrier	86.0		30 - 110	06/11/24 08:09	06/28/24 12:36	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	2.06		0.614	0.632	5.00	0.724	pCi/L		07/05/24 12:56	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_003R_FD

Lab Sample ID: 500-251785-2

Date Collected: 06/06/24 13:15

Matrix: Water

Date Received: 06/07/24 09:45

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	0.468		0.163	0.169	1.00	0.157	pCi/L	06/11/24 08:06	07/05/24 15:23	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110	06/11/24 08:06	07/05/24 15:23	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	1.44		0.668	0.681	1.00	0.924	pCi/L	06/11/24 08:09	06/28/24 12:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110	06/11/24 08:09	06/28/24 12:36	1
Y Carrier	81.1		30 - 110	06/11/24 08:09	06/28/24 12:36	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	1.91		0.688	0.702	5.00	0.924	pCi/L		07/05/24 12:56	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_005

Lab Sample ID: 500-251785-3

Date Collected: 06/06/24 15:35

Matrix: Water

Date Received: 06/07/24 09:45

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	0.0538	U	0.0765	0.0766	1.00	0.130	pCi/L	06/11/24 08:06	07/05/24 15:23	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110	06/11/24 08:06	07/05/24 15:23	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	0.0795	U	0.289	0.289	1.00	0.524	pCi/L	06/11/24 08:09	06/28/24 12:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110	06/11/24 08:09	06/28/24 12:39	1
Y Carrier	85.6		30 - 110	06/11/24 08:09	06/28/24 12:39	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	0.133	U	0.299	0.299	5.00	0.524	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_008R

Lab Sample ID: 500-251785-4

Date Collected: 06/06/24 14:20

Matrix: Water

Date Received: 06/07/24 09:45

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		0.0924	0.0932	1.00	0.131	pCi/L	06/11/24 08:06	07/05/24 15:23	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110	06/11/24 08:06	07/05/24 15:23	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	0.262	U	0.360	0.361	1.00	0.603	pCi/L	06/11/24 08:09	06/28/24 12:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110	06/11/24 08:09	06/28/24 12:33	1
Y Carrier	81.5		30 - 110	06/11/24 08:09	06/28/24 12:33	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	0.395	U	0.372	0.373	5.00	0.603	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_010

Date Collected: 06/06/24 17:00

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-5

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	0.0629	U	0.0783	0.0785	1.00	0.129	pCi/L	06/11/24 08:06	07/05/24 15:23	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	06/11/24 08:06	07/05/24 15:23	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	0.536		0.358	0.361	1.00	0.533	pCi/L	06/11/24 08:09	06/28/24 12:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110	06/11/24 08:09	06/28/24 12:33	1
Y Carrier	86.0		30 - 110	06/11/24 08:09	06/28/24 12:33	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	0.599		0.366	0.369	5.00	0.533	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_016A

Lab Sample ID: 500-251785-6

Date Collected: 06/06/24 12:10

Matrix: Water

Date Received: 06/07/24 09:45

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	0.944		0.275	0.288	1.00	0.252	pCi/L	06/11/24 08:06	07/05/24 15:24	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110	06/11/24 08:06	07/05/24 15:24	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	-0.0990	U	0.512	0.512	1.00	0.999	pCi/L	06/11/24 08:09	06/28/24 12:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110	06/11/24 08:09	06/28/24 12:33	1
Y Carrier	86.7		30 - 110	06/11/24 08:09	06/28/24 12:33	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	U	0.581	0.587	5.00	0.999	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_020

Date Collected: 06/06/24 14:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-7

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	0.121		0.0807	0.0814	1.00	0.107	pCi/L	06/11/24 08:06	07/05/24 15:24	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110	06/11/24 08:06	07/05/24 15:24	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	0.366	0.369	1.00	0.573	pCi/L	06/11/24 08:09	06/28/24 12:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110	06/11/24 08:09	06/28/24 12:33	1
Y Carrier	81.1		30 - 110	06/11/24 08:09	06/28/24 12:33	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	0.552	U	0.375	0.378	5.00	0.573	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_021

Lab Sample ID: 500-251785-8

Date Collected: 06/06/24 16:05

Matrix: Water

Date Received: 06/07/24 09:45

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	0.206		0.106	0.108	1.00	0.116	pCi/L	06/11/24 07:57	07/07/24 09:49	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110	06/11/24 07:57	07/07/24 09:49	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	0.695	U	0.562	0.566	1.00	0.874	pCi/L	06/11/24 08:04	06/28/24 12:06	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110	06/11/24 08:04	06/28/24 12:06	1
Y Carrier	75.9		30 - 110	06/11/24 08:04	06/28/24 12:06	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	0.902		0.572	0.576	5.00	0.874	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_EB1

Lab Sample ID: 500-251785-9

Date Collected: 06/06/24 18:00

Matrix: Water

Date Received: 06/07/24 09:45

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	0.0821	U	0.0753	0.0757	1.00	0.116	pCi/L	06/11/24 07:57	07/07/24 10:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110	06/11/24 07:57	07/07/24 10:05	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	0.0565	U	0.306	0.306	1.00	0.558	pCi/L	06/11/24 08:04	06/28/24 12:06	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110	06/11/24 08:04	06/28/24 12:06	1
Y Carrier	78.1		30 - 110	06/11/24 08:04	06/28/24 12:06	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	0.139	U	0.315	0.315	5.00	0.558	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_FB

Lab Sample ID: 500-251785-10

Date Collected: 06/06/24 18:10

Matrix: Water

Date Received: 06/07/24 09:45

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	0.133		0.0782	0.0791	1.00	0.0989	pCi/L	06/11/24 07:57	07/07/24 10:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110	06/11/24 07:57	07/07/24 10:05	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	0.123	U	0.302	0.302	1.00	0.533	pCi/L	06/11/24 08:04	06/28/24 12:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110	06/11/24 08:04	06/28/24 12:10	1
Y Carrier	78.1		30 - 110	06/11/24 08:04	06/28/24 12:10	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	0.256	U	0.312	0.312	5.00	0.533	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_035&D

Lab Sample ID: 500-251785-11

Date Collected: 06/06/24 11:55

Matrix: Water

Date Received: 06/07/24 09:45

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	0.0918	0.0924	1.00	0.138	pCi/L	06/11/24 07:57	07/07/24 09:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110	06/11/24 07:57	07/07/24 09:57	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	0.700		0.438	0.442	1.00	0.642	pCi/L	06/11/24 08:04	06/28/24 12:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110	06/11/24 08:04	06/28/24 12:10	1
Y Carrier	79.3		30 - 110	06/11/24 08:04	06/28/24 12:10	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	0.812		0.448	0.452	5.00	0.642	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_042

Lab Sample ID: 500-251785-12

Date Collected: 06/06/24 13:15

Matrix: Water

Date Received: 06/07/24 09:45

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	0.247		0.114	0.116	1.00	0.127	pCi/L	06/12/24 08:41	07/07/24 13:48	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110	06/12/24 08:41	07/07/24 13:48	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	1.12		0.442	0.454	1.00	0.556	pCi/L	06/12/24 08:50	07/02/24 12:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.4		30 - 110	06/12/24 08:50	07/02/24 12:36	1
Y Carrier	82.6		30 - 110	06/12/24 08:50	07/02/24 12:36	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	1.36		0.456	0.469	5.00	0.556	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_070#S

Lab Sample ID: 500-251785-13

Date Collected: 06/06/24 09:55

Matrix: Water

Date Received: 06/07/24 09:45

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	0.560		0.212	0.218	1.00	0.231	pCi/L	06/11/24 07:57	07/07/24 09:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110	06/11/24 07:57	07/07/24 09:57	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	0.847	U G	0.816	0.820	1.00	1.31	pCi/L	06/11/24 08:04	06/28/24 12:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110	06/11/24 08:04	06/28/24 12:10	1
Y Carrier	76.6		30 - 110	06/11/24 08:04	06/28/24 12:10	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	1.41		0.843	0.848	5.00	1.31	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_070&D

Lab Sample ID: 500-251785-14

Date Collected: 06/06/24 10:40

Matrix: Water

Date Received: 06/07/24 09:45

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	0.223		0.100	0.102	1.00	0.116	pCi/L	06/11/24 07:57	07/07/24 09:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110	06/11/24 07:57	07/07/24 09:57	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	1.12		0.490	0.501	1.00	0.667	pCi/L	06/11/24 08:04	06/28/24 12:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110	06/11/24 08:04	06/28/24 12:10	1
Y Carrier	80.0		30 - 110	06/11/24 08:04	06/28/24 12:10	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	1.34		0.500	0.511	5.00	0.667	pCi/L		07/09/24 14:32	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_101&

Lab Sample ID: 500-251785-15

Date Collected: 06/06/24 17:40

Matrix: Water

Date Received: 06/07/24 09:45

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	0.198		0.110	0.112	1.00	0.140	pCi/L	06/11/24 07:57	07/07/24 09:57	1

Method: EPA 903.0 - Radium-226 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110	06/11/24 07:57	07/07/24 09:57	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	0.570	U	0.461	0.463	1.00	0.712	pCi/L	06/11/24 08:04	06/28/24 12:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110	06/11/24 08:04	06/28/24 12:10	1
Y Carrier	80.4		30 - 110	06/11/24 08:04	06/28/24 12:10	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	0.769		0.474	0.476	5.00	0.712	pCi/L		07/09/24 14:32	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-251785-2
SDG: VER_000_RAD

Rad

Prep Batch: 661391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-13	VER_036_FD	Total/NA	Water	PrecSep-21	
500-250240-14	VER_037	Total/NA	Water	PrecSep-21	
500-250240-15	VER_038	Total/NA	Water	PrecSep-21	
500-250240-16	VER_040	Total/NA	Water	PrecSep-21	
500-250240-17	VER_040_FD	Total/NA	Water	PrecSep-21	
500-250240-18	VER_041	Total/NA	Water	PrecSep-21	
MB 160-661391/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661391/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 661393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-13	VER_036_FD	Total/NA	Water	PrecSep_0	
500-250240-14	VER_037	Total/NA	Water	PrecSep_0	
500-250240-15	VER_038	Total/NA	Water	PrecSep_0	
500-250240-16	VER_040	Total/NA	Water	PrecSep_0	
500-250240-17	VER_040_FD	Total/NA	Water	PrecSep_0	
500-250240-18	VER_041	Total/NA	Water	PrecSep_0	
MB 160-661393/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661393/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	PrecSep-21	
500-250240-2	VER_004	Total/NA	Water	PrecSep-21	
500-250240-4	VER_007R	Total/NA	Water	PrecSep-21	
500-250240-9	VER_022	Total/NA	Water	PrecSep-21	
500-250240-10	VER_034	Total/NA	Water	PrecSep-21	
500-250240-12	VER_036	Total/NA	Water	PrecSep-21	

Prep Batch: 661410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-1	VER_002	Total/NA	Water	PrecSep_0	
500-250240-2	VER_004	Total/NA	Water	PrecSep_0	
500-250240-4	VER_007R	Total/NA	Water	PrecSep_0	
500-250240-9	VER_022	Total/NA	Water	PrecSep_0	
500-250240-10	VER_034	Total/NA	Water	PrecSep_0	
500-250240-12	VER_036	Total/NA	Water	PrecSep_0	
MB 160-661410/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661410/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-27	VER_017	Total/NA	Water	PrecSep-21	
500-250240-28	VER_043	Total/NA	Water	PrecSep-21	
500-250240-29	VER_043_FD	Total/NA	Water	PrecSep-21	
500-250240-31	VER_103&	Total/NA	Water	PrecSep-21	
500-250240-32	VER_FB	Total/NA	Water	PrecSep-21	
500-250240-33	VER_EB1	Total/NA	Water	PrecSep-21	
500-250240-34	VER_EB2	Total/NA	Water	PrecSep-21	
500-250240-35	VER_EB3	Total/NA	Water	PrecSep-21	

Eurofins Chicago

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
SDG: VER_000_RAD

Rad

Prep Batch: 661580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250240-27	VER_017	Total/NA	Water	PrecSep_0	
500-250240-28	VER_043	Total/NA	Water	PrecSep_0	
500-250240-29	VER_043_FD	Total/NA	Water	PrecSep_0	
500-250240-31	VER_103&	Total/NA	Water	PrecSep_0	
500-250240-32	VER_FB	Total/NA	Water	PrecSep_0	
500-250240-33	VER_EB1	Total/NA	Water	PrecSep_0	
500-250240-34	VER_EB2	Total/NA	Water	PrecSep_0	
500-250240-35	VER_EB3	Total/NA	Water	PrecSep_0	

Prep Batch: 665653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-8	VER_021	Total/NA	Water	PrecSep-21	
500-251785-9	VER_EB1	Total/NA	Water	PrecSep-21	
500-251785-10	VER_FB	Total/NA	Water	PrecSep-21	
500-251785-11	VER_035&D	Total/NA	Water	PrecSep-21	
500-251785-13	VER_070#S	Total/NA	Water	PrecSep-21	
500-251785-14	VER_070&D	Total/NA	Water	PrecSep-21	
500-251785-15	VER_101&	Total/NA	Water	PrecSep-21	
MB 160-665653/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-665653/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-251785-8 MS	VER_021	Total/NA	Water	PrecSep-21	
500-251785-8 MSD	VER_021	Total/NA	Water	PrecSep-21	

Prep Batch: 665655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-8	VER_021	Total/NA	Water	PrecSep_0	
500-251785-9	VER_EB1	Total/NA	Water	PrecSep_0	
500-251785-10	VER_FB	Total/NA	Water	PrecSep_0	
500-251785-11	VER_035&D	Total/NA	Water	PrecSep_0	
500-251785-13	VER_070#S	Total/NA	Water	PrecSep_0	
500-251785-14	VER_070&D	Total/NA	Water	PrecSep_0	
500-251785-15	VER_101&	Total/NA	Water	PrecSep_0	
MB 160-665655/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-665655/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-251785-8 MS	VER_021	Total/NA	Water	PrecSep_0	
500-251785-8 MSD	VER_021	Total/NA	Water	PrecSep_0	

Prep Batch: 665656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	PrecSep-21	
500-251785-2	VER_003R_FD	Total/NA	Water	PrecSep-21	
500-251785-3	VER_005	Total/NA	Water	PrecSep-21	
500-251785-4	VER_008R	Total/NA	Water	PrecSep-21	
500-251785-5	VER_010	Total/NA	Water	PrecSep-21	
500-251785-6	VER_016A	Total/NA	Water	PrecSep-21	
500-251785-7	VER_020	Total/NA	Water	PrecSep-21	
MB 160-665656/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-665656/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Rad

Prep Batch: 665658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-1	VER_003R	Total/NA	Water	PrecSep_0	
500-251785-2	VER_003R_FD	Total/NA	Water	PrecSep_0	
500-251785-3	VER_005	Total/NA	Water	PrecSep_0	
500-251785-4	VER_008R	Total/NA	Water	PrecSep_0	
500-251785-5	VER_010	Total/NA	Water	PrecSep_0	
500-251785-6	VER_016A	Total/NA	Water	PrecSep_0	
500-251785-7	VER_020	Total/NA	Water	PrecSep_0	
MB 160-665658/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-665658/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 665836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-12	VER_042	Total/NA	Water	PrecSep-21	
MB 160-665836/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-665836/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-251785-12 MS	VER_042	Total/NA	Water	PrecSep-21	
500-251785-12 MSD	VER_042	Total/NA	Water	PrecSep-21	

Prep Batch: 665840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-251785-12	VER_042	Total/NA	Water	PrecSep_0	
MB 160-665840/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-665840/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-251785-12 MS	VER_042	Total/NA	Water	PrecSep_0	
500-251785-12 MSD	VER_042	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661391/1-A
Matrix: Water
Analysis Batch: 664913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661391

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08938	U	0.136	0.136	1.00	0.234	pCi/L	05/13/24 10:00	06/06/24 22:48	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					05/13/24 10:00	06/06/24 22:48	1

Lab Sample ID: LCS 160-661391/2-A
Matrix: Water
Analysis Batch: 664913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661391

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.766		1.26	1.00	0.327	pCi/L	86	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	91.0		30 - 110							

Lab Sample ID: MB 160-665653/1-A
Matrix: Water
Analysis Batch: 669501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665653

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05127	U	0.0566	0.0568	1.00	0.0900	pCi/L	06/11/24 07:57	07/07/24 09:49	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					06/11/24 07:57	07/07/24 09:49	1

Lab Sample ID: LCS 160-665653/2-A
Matrix: Water
Analysis Batch: 669501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665653

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	11.17		1.17	1.00	0.0812	pCi/L	99	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	89.1		30 - 110							

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 669501

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 665653

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	0.206		15.2	14.68		1.54	1.00	0.142	pCi/L	96	60 - 140

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-251785-2
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 669501

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 665653

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	87.4		30 - 110

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 669597

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 665653

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	0.206		14.9	15.05		1.57	1.00	0.138	pCi/L	100	60 - 140	0.12	1
Carrier	MSD %Yield	MSD Qualifier	Limits										
Ba Carrier	86.1		30 - 110										

Lab Sample ID: MB 160-665656/1-A
Matrix: Water
Analysis Batch: 669299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665656

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04368	U	0.0810	0.0811	1.00	0.142	pCi/L	06/11/24 08:06	07/05/24 12:58	1
Carrier	MB %Yield	MB Qualifier	Limits							
Ba Carrier	95.0		30 - 110							
								Prepared	Analyzed	Dil Fac
								06/11/24 08:06	07/05/24 12:58	1

Lab Sample ID: LCS 160-665656/2-A
Matrix: Water
Analysis Batch: 669299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665656

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	9.958		1.05	1.00	0.113	pCi/L	88	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	99.3		30 - 110						

Lab Sample ID: MB 160-665836/1-A
Matrix: Water
Analysis Batch: 669597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665836

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05881	U	0.0734	0.0736	1.00	0.121	pCi/L	06/12/24 08:41	07/07/24 13:25	1
Carrier	MB %Yield	MB Qualifier	Limits							
Ba Carrier	98.8		30 - 110							
								Prepared	Analyzed	Dil Fac
								06/12/24 08:41	07/07/24 13:25	1

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-665836/2-A
Matrix: Water
Analysis Batch: 669704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665836

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226		11.3	10.49		1.11	1.00	0.137	pCi/L	93	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	93.8		30 - 110									

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 669597

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 665836

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.247		11.4	9.875		1.07	1.00	0.143	pCi/L	85	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	93.8		30 - 110										

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 669597

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 665836

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	0.247		11.3	10.74		1.16	1.00	0.126	pCi/L	92	60 - 140	0.39	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	89.1		30 - 110										

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661393/1-A
Matrix: Water
Analysis Batch: 664902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661393

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.07120	U	0.287	0.287	1.00	0.550	pCi/L	05/13/24 10:06	06/06/24 11:53	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					05/13/24 10:06	06/06/24 11:53	1
Y Carrier	83.0		30 - 110					05/13/24 10:06	06/06/24 11:53	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661393/2-A
Matrix: Water
Analysis Batch: 664902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661393

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.88	9.754		1.32	1.00	0.509	pCi/L	110	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	91.0		30 - 110							
Y Carrier	84.5		30 - 110							

Lab Sample ID: MB 160-661410/1-A
Matrix: Water
Analysis Batch: 664450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661410

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7055		0.390	0.396	1.00	0.550	pCi/L	05/13/24 10:26	06/03/24 12:32	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	95.3		30 - 110							
Y Carrier	78.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								05/13/24 10:26	06/03/24 12:32	1
								05/13/24 10:26	06/03/24 12:32	1

Lab Sample ID: LCS 160-661410/2-A
Matrix: Water
Analysis Batch: 664450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661410

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.88	7.968		1.16	1.00	0.603	pCi/L	90	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	99.0		30 - 110							
Y Carrier	81.9		30 - 110							

Lab Sample ID: MB 160-665655/1-A
Matrix: Water
Analysis Batch: 668473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665655

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.9501		0.419	0.428	1.00	0.562	pCi/L	06/11/24 08:04	06/28/24 12:06	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	95.8		30 - 110							
Y Carrier	78.1		30 - 110							
								Prepared	Analyzed	Dil Fac
								06/11/24 08:04	06/28/24 12:06	1
								06/11/24 08:04	06/28/24 12:06	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-665655/2-A
Matrix: Water
Analysis Batch: 668473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665655

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.81	9.806		1.36	1.00	0.545	pCi/L	111	75 - 125		
	LCS	LCS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	89.1		30 - 110										
Y Carrier	78.1		30 - 110										

Lab Sample ID: 500-251785-8 MS
Matrix: Water
Analysis Batch: 668473

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 665655

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.695	U	11.8	14.46		1.97	1.00	0.841	pCi/L	117	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	87.4		30 - 110										
Y Carrier	79.6		30 - 110										

Lab Sample ID: 500-251785-8 MSD
Matrix: Water
Analysis Batch: 668473

Client Sample ID: VER_021
Prep Type: Total/NA
Prep Batch: 665655

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	0.695	U	11.6	12.28		1.76	1.00	0.776	pCi/L	100	60 - 140	0.59	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	86.1		30 - 110										
Y Carrier	77.4		30 - 110										

Lab Sample ID: MB 160-665658/1-A
Matrix: Water
Analysis Batch: 668479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665658

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4452	U	0.346	0.349	1.00	0.534	pCi/L	06/11/24 08:09	06/28/24 12:34	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/11/24 08:09	06/28/24 12:34	1
Y Carrier	83.4		30 - 110					06/11/24 08:09	06/28/24 12:34	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-665658/2-A
Matrix: Water
Analysis Batch: 668479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665658

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.81	9.678		1.29	1.00	0.475	pCi/L	110	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	99.3		30 - 110									
Y Carrier	84.9		30 - 110									

Lab Sample ID: MB 160-665840/1-A
Matrix: Water
Analysis Batch: 668923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665840

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.006485	U	0.301	0.301	1.00	0.558	pCi/L	06/12/24 08:50	07/02/24 12:24	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					06/12/24 08:50	07/02/24 12:24	1
Y Carrier	80.7		30 - 110					06/12/24 08:50	07/02/24 12:24	1

Lab Sample ID: LCS 160-665840/2-A
Matrix: Water
Analysis Batch: 668923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665840

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.80	9.605		1.31	1.00	0.547	pCi/L	109	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	93.8		30 - 110									
Y Carrier	82.2		30 - 110									

Lab Sample ID: 500-251785-12 MS
Matrix: Water
Analysis Batch: 668934

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 665840

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	1.12		8.82	10.49		1.41	1.00	0.544	pCi/L	106	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	93.8		30 - 110										
Y Carrier	83.7		30 - 110										

QC Sample Results

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-251785-12 MSD
Matrix: Water
Analysis Batch: 668934

Client Sample ID: VER_042
Prep Type: Total/NA
Prep Batch: 665840

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	1.12		8.82	11.94		1.57	1.00	0.557	pCi/L	123	60 - 140	0.48	1
Carrier	%Yield	MSD Qualifier	MSD Limits										
Ba Carrier	89.1		30 - 110										
Y Carrier	81.9		30 - 110										

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_002

Date Collected: 05/08/24 15:05

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-1

Matrix: Water

	Batch	Batch		Dilution	Batch		Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	06/05/24 18:46
Total/NA	Prep	PrecSep_0			661410	KAK	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	06/03/24 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	06/06/24 14:40

Client Sample ID: VER_004

Date Collected: 05/08/24 09:50

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 18:46
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	EET SL	06/03/24 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_007R

Date Collected: 05/07/24 10:55

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 18:46
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	EET SL	06/03/24 12:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_022

Date Collected: 05/07/24 15:25

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-9

Matrix: Water

Prep Type	Batch	Batch	Run	Dilution	Batch		Lab	Prepared
	Type	Method		Factor	Number	Analyst		or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 18:47
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	EET SL	06/03/24 12:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-000_RAD
SDG: VER_000_RAD

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_034

Date Collected: 05/07/24 09:05

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 20:04
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664451	SCB	EET SL	06/03/24 12:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_036

Date Collected: 05/08/24 14:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661409	KAK	EET SL	05/13/24 10:17
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 18:47
Total/NA	Prep	PrecSep_0			661410	KAK	EET SL	05/13/24 10:26
Total/NA	Analysis	904.0		1	664292	SCB	EET SL	06/03/24 13:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_036_FD

Date Collected: 05/08/24 14:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661391	KAK	EET SL	05/13/24 10:00
Total/NA	Analysis	903.0		1	664913	SCB	EET SL	06/06/24 22:49
Total/NA	Prep	PrecSep_0			661393	KAK	EET SL	05/13/24 10:06
Total/NA	Analysis	904.0		1	664902	SCB	EET SL	06/06/24 11:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_037

Date Collected: 05/08/24 13:40

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661391	KAK	EET SL	05/13/24 10:00
Total/NA	Analysis	903.0		1	664913	SCB	EET SL	06/06/24 22:49
Total/NA	Prep	PrecSep_0			661393	KAK	EET SL	05/13/24 10:06
Total/NA	Analysis	904.0		1	664902	SCB	EET SL	06/06/24 11:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-000_RAD
SDG: VER_000_RAD

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_038

Date Collected: 05/08/24 08:30

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661391	KAK	EET SL	05/13/24 10:00
Total/NA	Analysis	903.0		1	664915	FLC	EET SL	06/06/24 22:41
Total/NA	Prep	PrecSep_0			661393	KAK	EET SL	05/13/24 10:06
Total/NA	Analysis	904.0		1	664902	SCB	EET SL	06/06/24 11:55
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_040

Date Collected: 05/07/24 12:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661391	KAK	EET SL	05/13/24 10:00
Total/NA	Analysis	903.0		1	664915	FLC	EET SL	06/06/24 22:41
Total/NA	Prep	PrecSep_0			661393	KAK	EET SL	05/13/24 10:06
Total/NA	Analysis	904.0		1	664902	SCB	EET SL	06/06/24 11:55
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_040_FD

Date Collected: 05/07/24 12:10

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661391	KAK	EET SL	05/13/24 10:00
Total/NA	Analysis	903.0		1	664915	FLC	EET SL	06/06/24 22:41
Total/NA	Prep	PrecSep_0			661393	KAK	EET SL	05/13/24 10:06
Total/NA	Analysis	904.0		1	664902	SCB	EET SL	06/06/24 11:55
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Client Sample ID: VER_041

Date Collected: 05/08/24 11:45

Date Received: 05/09/24 10:30

Lab Sample ID: 500-250240-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661391	KAK	EET SL	05/13/24 10:00
Total/NA	Analysis	903.0		1	664915	FLC	EET SL	06/06/24 22:42
Total/NA	Prep	PrecSep_0			661393	KAK	EET SL	05/13/24 10:06
Total/NA	Analysis	904.0		1	664902	SCB	EET SL	06/06/24 11:55
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/06/24 14:40

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Client Sample ID: VER_017

Date Collected: 05/09/24 08:45

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 14:15
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Client Sample ID: VER_043

Date Collected: 05/09/24 08:25

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664836	SCB	EET SL	06/05/24 14:15
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Client Sample ID: VER_043_FD

Date Collected: 05/09/24 08:25

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 14:07
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Client Sample ID: VER_103&

Date Collected: 05/09/24 12:35

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 14:07
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-000-001-001
SDG: VER_000_RAD

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_FB

Date Collected: 05/09/24 15:30

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 14:07
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Client Sample ID: VER_EB1

Date Collected: 05/09/24 15:40

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 14:07
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Client Sample ID: VER_EB2

Date Collected: 05/09/24 15:50

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 14:07
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Client Sample ID: VER_EB3

Date Collected: 05/09/24 16:00

Date Received: 05/10/24 11:00

Lab Sample ID: 500-250240-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			661579	MLT	EET SL	05/14/24 09:06
Total/NA	Analysis	903.0		1	664837	SCB	EET SL	06/05/24 14:08
Total/NA	Prep	PrecSep_0			661580	MLT	EET SL	05/14/24 09:11
Total/NA	Analysis	904.0		1	664627	SCB	EET SL	06/04/24 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	664953	FLC	EET SL	06/07/24 16:03

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-000_RAD
SDG: VER_000_RAD

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_003R

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669299	SWS	EET SL	07/05/24 15:07
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668479	SCB	EET SL	06/28/24 12:36
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/05/24 12:56

Client Sample ID: VER_003R_FD

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669426	SWS	EET SL	07/05/24 15:23
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668479	SCB	EET SL	06/28/24 12:36
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/05/24 12:56

Client Sample ID: VER_005

Date Collected: 06/06/24 15:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669426	SWS	EET SL	07/05/24 15:23
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668479	SCB	EET SL	06/28/24 12:39
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_008R

Date Collected: 06/06/24 14:20

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669426	SWS	EET SL	07/05/24 15:23
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668481	SCB	EET SL	06/28/24 12:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001
SDG: VER_000_RAD

Client Sample ID: VER_010

Date Collected: 06/06/24 17:00

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669426	SWS	EET SL	07/05/24 15:23
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668481	SCB	EET SL	06/28/24 12:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_016A

Date Collected: 06/06/24 12:10

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669426	SWS	EET SL	07/05/24 15:24
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668481	SCB	EET SL	06/28/24 12:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_020

Date Collected: 06/06/24 14:35

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665656	MLT	EET SL	06/11/24 08:06
Total/NA	Analysis	903.0		1	669426	SWS	EET SL	07/05/24 15:24
Total/NA	Prep	PrecSep_0			665658	MLT	EET SL	06/11/24 08:09
Total/NA	Analysis	904.0		1	668481	SCB	EET SL	06/28/24 12:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_021

Date Collected: 06/06/24 16:05

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669501	SCB	EET SL	07/07/24 09:49
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:06
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
SDG: VER_000_RAD

Client Sample ID: VER_EB1

Date Collected: 06/06/24 18:00

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669597	SCB	EET SL	07/07/24 10:05
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:06
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_FB

Date Collected: 06/06/24 18:10

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669597	SCB	EET SL	07/07/24 10:05
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_035&D

Date Collected: 06/06/24 11:55

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669596	SCB	EET SL	07/07/24 09:57
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_042

Date Collected: 06/06/24 13:15

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665836	MLT	EET SL	06/12/24 08:41
Total/NA	Analysis	903.0		1	669597	SCB	EET SL	07/07/24 13:48
Total/NA	Prep	PrecSep_0			665840	MLT	EET SL	06/12/24 08:50
Total/NA	Analysis	904.0		1	668934	SCB	EET SL	07/02/24 12:36
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-000_RAD
SDG: VER_000_RAD

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Client Sample ID: VER_070#S

Date Collected: 06/06/24 09:55

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669596	SCB	EET SL	07/07/24 09:57
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_070&D

Date Collected: 06/06/24 10:40

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669596	SCB	EET SL	07/07/24 09:57
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

Client Sample ID: VER_101&

Date Collected: 06/06/24 17:40

Date Received: 06/07/24 09:45

Lab Sample ID: 500-251785-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			665653	MLT	EET SL	06/11/24 07:57
Total/NA	Analysis	903.0		1	669596	SCB	EET SL	07/07/24 09:57
Total/NA	Prep	PrecSep_0			665655	MLT	EET SL	06/11/24 08:04
Total/NA	Analysis	904.0		1	668473	SCB	EET SL	06/28/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	669462	SCB	EET SL	07/09/24 14:32

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-24Q2

ATTACHMENT B.
2024 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2-001-001
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	11-30-24
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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Vermillion**
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: **Sam Davies samantha.davies@vistracorp.com**
Dianna Tickner - Dianna.Tickner@vistracorp.com
Purchase Order No.
Project Name
Project Number: **50022750**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page 1 of 3

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location

IL

STATE

Requested Analysis Filtered (Y/N)

ITEM #	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	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	VER-845-910-911	VER-845-912	VER-NPDES-912	VER_000_RAD	VER_000_A	VER_000_B	VER_000_C	Residual Chlorine (Y/N)	500-250240 COC	Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other															
1	VER_002		WT	G	5/8/24	1505	6									X			X	X											
2	VER_003R															X			X	X											
3	VER_003R_FD															X			X	X											
4	VER_004		WT	G	5/8/24	0950	6									X			X	X											
5	VER_005		WT	G	5/8/24	1445	6									X			X	X											
6	VER_007R		WT	G	5/7/24	1055	6									X			X	X											
7	VER_008R															X			X	X											
8	VER_010		WT	G	5/8/24	1225	6										X	X	X	X											
9	VER_016IB																X	X	X	X											
10	VER_016A		WT	G	5/8/24	0935	6										X	X	X	X											
11	VER_017															X			X	X											
12	VER_020		WT	G	5/7/24	0915	6									X			X	X											
13	VER_021		WT	G	5/7/24	1055	6									X			X	X											
14	VER_022		WT	G	5/7/24	1525	6										X		X	X											
15	VER_034		WT	G	5/7/24	0905	6									X			X	X											
16	VER_035#S		WT	G	5/8/24	11											X	X	X	X											



500-250240 COC

Project No./ Lab I.D.

MS/MSD

ADDITIONAL COMMENTS

VER-24Q2 Rev 0

RELINQUISHED BY / AFFILIATION

Home Tulevz

DATE

5-8-24

TIME

1700

ACCEPTED BY / AFFILIATION

John P. PETA

DATE

5/9/24

TIME

1030

SAMPLE CONDITIONS

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)

4.6 → 4.2, 5.3 → 2.9, 1.7 → 1.8, 1.3 → 1.6, 0.2 → 0.8, 3.8 → 2.4

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

Page 2 of 3

ITEM #	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 W1 WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test	Requested Analysis Filtered (Y/N)							Residual Chlorine (Y/N)	Project No./ Lab I.D.					
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		VER-845-910-911	VER-845-912	VER-NPDES-912	VER_000_RAD	VER_000_A	VER_000_B	VER_000_C							
1	VER_035&D		WT	G	5/8/24	1305		6									X	X	X	X											
2	VER_036		NT	G	5/8/24	1410		6									X		X												
3	VER_036_FD		WT	G	5/8/24	1410		6									X		X												
4	VER_037		WT	G	5/8/24	1340		6									X		X												
5	VER_038		WT	G	5/8/24	0830		6									X		X												
6	VER_040		WT	G	5/7/24	1210		6									X		X												
7	VER_040_FD		WT	G	5/7/24	1210		6									X		X												
8	VER_041		WT	G	5/7/24	1145		6									X		X												
9	VER_042		WT	G	5/8/24	1540		6									X		X												MS/MSD
10	VER_043																X		X												
11	VER_043_FD																X		X												
12	VER_070#S		WT	G	5/7/24	1245		6										X		X											
13	VER_070&D		WT	G	5/7/24	11075		6										X		X											
14	VER_071#S		NT	G	5/7/24	1415		6										X		X											
15	VER_071&D		WT	G	5/8/24	0830		6										X		X											
16	VER_101&																X		X												
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																		
VER-24Q2 Rev 0			Jone Fuly			5/8/24	1700	John Smith ERDA			5/9/24	1030																			

Confidential
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[illegible]

Confidential
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Page 1 of 3



500-250240 COC

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

24
25

26

27

- 1
- 2
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- 4
- 5
- 6
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- 10
- 11
- 12
- 13
- 14
- 15

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER.					
SIGNATURE of SAMPLER	DATE Signed (MM/DD/YY)				

5.3 → 4.9, 2.6 → 1.2, 5.6 → 5.2, 5.2 → 4.8

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[illegible]07/10/24 (Rev. 1)

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Requested Analysis Filtered (Y/N)

31
32
33
34
35
36
19
8
↓

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501-251785

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9. Note #	EB1 collected on	6/6/24 @ 1800	✓	✓	41+3.7
10. <u> </u>	FB collected on	6/6/24 @ 1810	✓	✓	3.9+3.5
					2.9+2.5
					4.0+4.2

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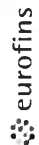
ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
VER-845-910-911

[illegible]

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Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM Nelson, Dirk		Carrier Tracking No(s)		COC No 500-189177-2	
Client Contact: Shipping/Receiving		Phone		E-Mail: Dirk.Nelson@eurofins.com		State of Origin: Illinois		Page Page 2 of 3	
Company: TestAmerica Laboratories, Inc.						Accreditations Required (See note): NELAP - Illinois		Job # 500-251785-2	
Address: 13715 Rider Trail North,		Due Date Requested: 7/9/2024		Analysis Requested		Preservation Codes:			
City: Earth City		TAT Requested (days):							
State, Zip: MO, 63045									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:							
Email:		WO #:							
Project Name: VER-24Q2		Project #: 50022750							
Site:		SSOW#:							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=other/oli, BT=tissue, AA=air)	
VER_021 (500-251785-8MSD)		6/6/24		16:05 Central		MSD		Water	
VER_EB1 (500-251785-9)		6/6/24		18:00 Central				Water	
VER_FB (500-251785-10)		6/6/24		18:10 Central				Water	
VER_035&D (500-251785-11)		6/6/24		11:55 Central				Water	
VER_042 (500-251785-12)		6/6/24		13:15 Central				Water	
VER_042 (500-251785-12MS)		6/6/24		13:15 Central		MS		Water	
VER_042 (500-251785-12MSD)		6/6/24		13:15 Central		MSD		Water	
VER_070#S (500-251785-13)		6/6/24		09:55 Central				Water	
VER_070&D (500-251785-14)		6/6/24		10:40 Central				Water	
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/test/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									
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2							
Empty Kit Relinquished by:		Date:		Time:					
Relinquished by: <i>Rowan</i>		Date/Time: 06/07/24		Company: ECTA		Received by: Richard Thornley		Date/Time: JUN 10 2024 08:10	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:			

VER-845-910-911

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP

ATTACHMENT B.

[illegible]

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-251785-2
SDG Number: VER_000_RAD

Login Number: 251785

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7,3.5,2.5,4.2,5.0
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.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-251785-2
SDG Number: VER_000_RAD

Login Number: 251785

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/10/24 12:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
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)
500-250240-1	VER_002	90.3
500-250240-2	VER_004	92.0
500-250240-4	VER_007R	67.4
500-250240-9	VER_022	96.0
500-250240-10	VER_034	85.6
500-250240-12	VER_036	94.5
500-250240-13	VER_036_FD	93.0
500-250240-14	VER_037	91.5
500-250240-15	VER_038	93.0
500-250240-16	VER_040	91.0
500-250240-17	VER_040_FD	96.0
500-250240-18	VER_041	86.1
500-250240-27	VER_017	78.4
500-250240-28	VER_043	89.8
500-250240-29	VER_043_FD	80.3
500-250240-31	VER_103&	79.6
500-250240-32	VER_FB	89.8
500-250240-33	VER_EB1	85.1
500-250240-34	VER_EB2	92.5
500-250240-35	VER_EB3	94.8
500-251785-1	VER_003R	89.1
500-251785-2	VER_003R_FD	86.6
500-251785-3	VER_005	88.9
500-251785-4	VER_008R	94.3
500-251785-5	VER_010	91.3
500-251785-6	VER_016A	90.1
500-251785-7	VER_020	88.6
500-251785-8	VER_021	83.4
500-251785-8 MS	VER_021	87.4
500-251785-8 MSD	VER_021	86.1
500-251785-9	VER_EB1	95.0
500-251785-10	VER_FB	94.6
500-251785-11	VER_035&D	79.2
500-251785-12	VER_042	86.4
500-251785-12 MS	VER_042	93.8
500-251785-12 MSD	VER_042	89.1
500-251785-13	VER_070#S	89.4
500-251785-14	VER_070&D	85.6
500-251785-15	VER_101&	92.8
LCS 160-661391/2-A	Lab Control Sample	91.0
LCS 160-665653/2-A	Lab Control Sample	89.1
LCS 160-665656/2-A	Lab Control Sample	99.3
LCS 160-665836/2-A	Lab Control Sample	93.8
MB 160-661391/1-A	Method Blank	99.5
MB 160-665653/1-A	Method Blank	95.8
MB 160-665656/1-A	Method Blank	95.0
MB 160-665836/1-A	Method Blank	98.8

Tracer/Carrier Legend

Ba = Ba Carrier

Eurofins Chicago

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
SDG: VER_000_RAD

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-250240-1	VER_002	90.3	81.9
500-250240-2	VER_004	92.0	78.9
500-250240-4	VER_007R	67.4	84.5
500-250240-9	VER_022	96.0	84.1
500-250240-10	VER_034	85.6	82.2
500-250240-12	VER_036	94.5	85.2
500-250240-13	VER_036_FD	93.0	81.9
500-250240-14	VER_037	91.5	82.2
500-250240-15	VER_038	93.0	81.1
500-250240-16	VER_040	91.0	84.1
500-250240-17	VER_040_FD	96.0	83.4
500-250240-18	VER_041	86.1	83.4
500-250240-27	VER_017	78.4	85.2
500-250240-28	VER_043	89.8	82.2
500-250240-29	VER_043_FD	80.3	83.4
500-250240-31	VER_103&	79.6	86.7
500-250240-32	VER_FB	89.8	79.6
500-250240-33	VER_EB1	85.1	83.4
500-250240-34	VER_EB2	92.5	86.4
500-250240-35	VER_EB3	94.8	88.2
500-251785-1	VER_003R	89.1	86.0
500-251785-2	VER_003R_FD	86.6	81.1
500-251785-3	VER_005	88.9	85.6
500-251785-4	VER_008R	94.3	81.5
500-251785-5	VER_010	91.3	86.0
500-251785-6	VER_016A	90.1	86.7
500-251785-7	VER_020	88.6	81.1
500-251785-8	VER_021	83.4	75.9
500-251785-8 MS	VER_021	87.4	79.6
500-251785-8 MSD	VER_021	86.1	77.4
500-251785-9	VER_EB1	95.0	78.1
500-251785-10	VER_FB	94.6	78.1
500-251785-11	VER_035&D	79.2	79.3
500-251785-12	VER_042	86.4	82.6
500-251785-12 MS	VER_042	93.8	83.7
500-251785-12 MSD	VER_042	89.1	81.9
500-251785-13	VER_070#S	89.4	76.6
500-251785-14	VER_070&D	85.6	80.0
500-251785-15	VER_101&	92.8	80.4
LCS 160-661393/2-A	Lab Control Sample	91.0	84.5
LCS 160-661410/2-A	Lab Control Sample	99.0	81.9
LCS 160-665655/2-A	Lab Control Sample	89.1	78.1
LCS 160-665658/2-A	Lab Control Sample	99.3	84.9
LCS 160-665840/2-A	Lab Control Sample	93.8	82.2
MB 160-661393/1-A	Method Blank	99.5	83.0
MB 160-661410/1-A	Method Blank	95.3	78.5
MB 160-665655/1-A	Method Blank	95.8	78.1
MB 160-665658/1-A	Method Blank	95.0	83.4
MB 160-665840/1-A	Method Blank	98.8	80.7

Eurofins Chicago

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: VER-24Q2

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
VERMILION POWER PLANT, NAP-OEAP
Job ID: 500-251785-2
VER-24Q2
SDG: VER_000_RAD

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**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
VERMILION POWER PLANT
NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
02	LGU	E005	Antimony, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.003	0.00100
02	LGU	E005	Arsenic, total	mg/L	03/31/21 - 05/08/24	13	8	CI around mean	0.00573	0.0600
02	LGU	E005	Barium, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.196	0.520
02	LGU	E005	Beryllium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.001
02	LGU	E005	Boron, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.309	2.45
02	LGU	E005	Cadmium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.001
02	LGU	E005	Chloride, total	mg/L	03/31/21 - 05/08/24	13	0	CI around median	35	82.0
02	LGU	E005	Chromium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.005	0.0200
02	LGU	E005	Cobalt, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.00400
02	LGU	E005	Fluoride, total	mg/L	03/31/21 - 05/08/24	13	8	CB around linear reg	0.52	1.14
02	LGU	E005	Lead, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.00600
02	LGU	E005	Lithium, total	mg/L	03/31/21 - 05/08/24	13	54	CI around median	0.0034	0.0300
02	LGU	E005	Mercury, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0002	0.0002
02	LGU	E005	Molybdenum, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.005	0.0200
02	LGU	E005	pH (field)	SU	03/31/21 - 05/08/24	13	0	CI around mean	7.4/7.8	6.8/7.8
02	LGU	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/08/24	12	0	CI around mean	0.5	1.90
02	LGU	E005	Selenium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0025	0.001
02	LGU	E005	Sulfate, total	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	-13.2	227
02	LGU	E005	Thallium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.002	0.002
02	LGU	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	562	746
03R	LGU	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.00100
03R	LGU	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.00485	0.0600
03R	LGU	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.289	0.520
03R	LGU	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.001
03R	LGU	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	26	2.45
03R	LGU	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	77	CI around median	0.00051	0.001
03R	LGU	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	2	CI around mean	26	82.0

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
03R	LGU	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.0015	0.0200
03R	LGU	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.001	0.00400
03R	LGU	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	8	CI around mean	0.445	1.14
03R	LGU	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	62	CI around median	0.001	0.00600
03R	LGU	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	92	CB around T-S line	0.003	0.0300
03R	LGU	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.0002
03R	LGU	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	0.313	0.0200
03R	LGU	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CI around mean	7.2/7.4	6.8/7.8
03R	LGU	E005	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/06/24	11	0	CI around mean	0.999	1.90
03R	LGU	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.001
03R	LGU	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	486	227
03R	LGU	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002
03R	LGU	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	1,090	746
04	UA	E005	Antimony, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.003	0.00100
04	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/08/24	13	8	CI around geomean	0.00547	0.0600
04	UA	E005	Barium, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	0.221	0.520
04	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.001
04	UA	E005	Boron, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	8.35	2.45
04	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.001
04	UA	E005	Chloride, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	10.3	82.0
04	UA	E005	Chromium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.0200
04	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/08/24	13	92	Most recent sample	0.001	0.00400
04	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/08/24	13	8	CI around median	0.3	1.14
04	UA	E005	Lead, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.00600
04	UA	E005	Lithium, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.0389	0.0300
04	UA	E005	Mercury, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0002	0.0002
04	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.033	0.0200

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
04	UA	E005	pH (field)	SU	03/30/21 - 05/08/24	13	0	CI around mean	7.4/7.6	6.8/7.8
04	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 05/08/24	11	0	CI around mean	0.7	1.90
04	UA	E005	Selenium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0025	0.001
04	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	35.5	227
04	UA	E005	Thallium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.002	0.002
04	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	363	746
05	UA	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.00100
05	UA	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.0600
05	UA	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0222	0.520
05	UA	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.001
05	UA	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	18.4	2.45
05	UA	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.001
05	UA	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	2	CI around mean	7.59	82.0
05	UA	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.005	0.0200
05	UA	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.001	0.00400
05	UA	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	8	CB around linear reg	0.549	1.14
05	UA	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.00600
05	UA	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0858	0.0300
05	UA	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.0002
05	UA	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	0.0402	0.0200
05	UA	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CB around linear reg	7.4/7.8	6.8/7.8
05	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/06/24	11	0	CI around geomean	0.0916	1.90
05	UA	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.001
05	UA	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	224	227
05	UA	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002
05	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	531	746
07R	UA	E005	Antimony, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.001	0.00100

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
07R	UA	E005	Arsenic, total	mg/L	05/12/21 - 05/07/24	9	11	CI around median	0.0011	0.0600
07R	UA	E005	Barium, total	mg/L	05/12/21 - 05/07/24	9	0	CI around median	0.0176	0.520
07R	UA	E005	Beryllium, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.001	0.001
07R	UA	E005	Boron, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	34.8	2.45
07R	UA	E005	Cadmium, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.0005	0.001
07R	UA	E005	Chloride, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	4.38	82.0
07R	UA	E005	Chromium, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.0015	0.0200
07R	UA	E005	Cobalt, total	mg/L	05/12/21 - 05/07/24	9	78	CI around median	0.001	0.00400
07R	UA	E005	Fluoride, total	mg/L	05/12/21 - 05/07/24	9	11	CI around mean	0.0916	1.14
07R	UA	E005	Lead, total	mg/L	05/12/21 - 05/07/24	9	67	CI around median	0.0005	0.00600
07R	UA	E005	Lithium, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	0.54	0.0300
07R	UA	E005	Mercury, total	mg/L	05/12/21 - 05/07/24	9	100	All ND - Last	0.0002	0.0002
07R	UA	E005	Molybdenum, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	0.373	0.0200
07R	UA	E005	pH (field)	SU	05/12/21 - 05/07/24	9	0	CI around mean	7.3/7.7	6.8/7.8
07R	UA	E005	Radium 226 + Radium 228, total	pCi/L	05/12/21 - 05/07/24	9	0	CI around geomean	0.206	1.90
07R	UA	E005	Selenium, total	mg/L	05/12/21 - 05/07/24	9	22	CI around mean	0.0015	0.001
07R	UA	E005	Sulfate, total	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	1,770	227
07R	UA	E005	Thallium, total	mg/L	05/12/21 - 05/07/24	9	100	All ND - Last	0.002	0.002
07R	UA	E005	Total Dissolved Solids	mg/L	05/12/21 - 05/07/24	9	0	CI around mean	2,870	746
08R	UA	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.00100
08R	UA	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	0.0265	0.0600
08R	UA	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0563	0.520
08R	UA	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.001
08R	UA	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	29.8	2.45
08R	UA	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.001
08R	UA	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	5.7	82.0
08R	UA	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.005	0.0200

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08R	UA	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.00400
08R	UA	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	77	CI around median	0.1	1.14
08R	UA	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.00600
08R	UA	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around median	0.288	0.0300
08R	UA	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.0002
08R	UA	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.187	0.0200
08R	UA	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CI around mean	7.1/7.9	6.8/7.8
08R	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/21/21 - 06/06/24	11	0	CI around mean	0.389	1.90
08R	UA	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.001
08R	UA	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CB around linear reg	550	227
08R	UA	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002
08R	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	1,080	746
17	UA	E005	Antimony, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.003	0.00100
17	UA	E005	Arsenic, total	mg/L	03/31/21 - 05/07/24	9	22	CI around mean	0.00284	0.0600
17	UA	E005	Barium, total	mg/L	03/31/21 - 05/07/24	9	0	CI around mean	0.025	0.520
17	UA	E005	Beryllium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.001	0.001
17	UA	E005	Boron, total	mg/L	03/31/21 - 05/07/24	9	0	CI around mean	3.03	2.45
17	UA	E005	Cadmium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.0005	0.001
17	UA	E005	Chloride, total	mg/L	03/31/21 - 05/09/24	9	0	CI around mean	15.3	82.0
17	UA	E005	Chromium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.005	0.0200
17	UA	E005	Cobalt, total	mg/L	03/31/21 - 05/07/24	9	22	CI around mean	0.00133	0.00400
17	UA	E005	Fluoride, total	mg/L	03/31/21 - 05/09/24	9	11	CI around geomean	0.143	1.14
17	UA	E005	Lead, total	mg/L	03/31/21 - 05/07/24	9	67	CI around median	0.0005	0.00600
17	UA	E005	Lithium, total	mg/L	03/31/21 - 05/07/24	9	0	CI around mean	0.0191	0.0300
17	UA	E005	Mercury, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.0002	0.0002
17	UA	E005	Molybdenum, total	mg/L	03/31/21 - 05/07/24	9	44	CI around mean	0.00172	0.0200
17	UA	E005	pH (field)	SU	03/31/21 - 05/07/24	9	0	CI around mean	6.7/7.0	6.8/7.8

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17	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/09/24	8	0	CI around mean	0.158	1.90
17	UA	E005	Selenium, total	mg/L	03/31/21 - 05/07/24	9	89	CI around median	0.001	0.001
17	UA	E005	Sulfate, total	mg/L	03/31/21 - 05/09/24	9	0	CI around geomean	911	227
17	UA	E005	Thallium, total	mg/L	03/31/21 - 05/07/24	9	100	All ND - Last	0.002	0.002
17	UA	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/09/24	9	0	CI around mean	1,620	746
20	UA	E005	Antimony, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.003	0.00100
20	UA	E005	Arsenic, total	mg/L	03/30/21 - 06/06/24	13	69	CI around median	0.001	0.0600
20	UA	E005	Barium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.0178	0.520
20	UA	E005	Beryllium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.001	0.001
20	UA	E005	Boron, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	0.689	2.45
20	UA	E005	Cadmium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.001
20	UA	E005	Chloride, total	mg/L	03/30/21 - 06/06/24	13	14	CI around median	4	82.0
20	UA	E005	Chromium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.005	0.0200
20	UA	E005	Cobalt, total	mg/L	03/30/21 - 06/06/24	13	85	CI around median	0.001	0.00400
20	UA	E005	Fluoride, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.1	1.14
20	UA	E005	Lead, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0005	0.00600
20	UA	E005	Lithium, total	mg/L	03/30/21 - 06/06/24	13	0	CI around geomean	0.0201	0.0300
20	UA	E005	Mercury, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0002	0.0002
20	UA	E005	Molybdenum, total	mg/L	03/30/21 - 06/06/24	13	92	CI around median	0.0015	0.0200
20	UA	E005	pH (field)	SU	03/30/21 - 06/06/24	13	0	CI around median	6.9/7.1	6.8/7.8
20	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 06/06/24	11	0	CI around mean	0.404	1.90
20	UA	E005	Selenium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.0025	0.001
20	UA	E005	Sulfate, total	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	74.4	227
20	UA	E005	Thallium, total	mg/L	03/30/21 - 06/06/24	13	100	All ND - Last	0.002	0.002
20	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 06/06/24	13	0	CI around mean	409	746
34	LGU	E005	Antimony, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.003	0.00100
34	LGU	E005	Arsenic, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	0.0243	0.0600

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
34	LGU	E005	Barium, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	0.154	0.520
34	LGU	E005	Beryllium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.001	0.001
34	LGU	E005	Boron, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	0.475	2.45
34	LGU	E005	Cadmium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.0005	0.001
34	LGU	E005	Chloride, total	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	32.9	82.0
34	LGU	E005	Chromium, total	mg/L	03/30/21 - 05/07/24	13	46	CI around mean	0.00194	0.0200
34	LGU	E005	Cobalt, total	mg/L	03/30/21 - 05/07/24	13	54	CI around median	0.001	0.00400
34	LGU	E005	Fluoride, total	mg/L	03/30/21 - 05/07/24	13	8	CI around median	0.63	1.14
34	LGU	E005	Lead, total	mg/L	03/30/21 - 05/07/24	13	15	CI around mean	0.00115	0.00600
34	LGU	E005	Lithium, total	mg/L	03/30/21 - 05/07/24	13	46	CI around mean	0.00325	0.0300
34	LGU	E005	Mercury, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.0002	0.0002
34	LGU	E005	Molybdenum, total	mg/L	03/30/21 - 05/07/24	13	92	CI around median	0.0015	0.0200
34	LGU	E005	pH (field)	SU	03/30/21 - 05/07/24	13	0	CI around mean	7.0/7.2	6.8/7.8
34	LGU	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 05/07/24	11	0	CI around mean	0.469	1.90
34	LGU	E005	Selenium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.0025	0.001
34	LGU	E005	Sulfate, total	mg/L	03/30/21 - 05/07/24	13	88	CB around T-S line	-1.09	227
34	LGU	E005	Thallium, total	mg/L	03/30/21 - 05/07/24	13	100	All ND - Last	0.002	0.002
34	LGU	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/07/24	13	0	CI around mean	478	746
36	UA	E005	Antimony, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.003	0.00100
36	UA	E005	Arsenic, total	mg/L	03/31/21 - 05/08/24	13	8	CB around linear reg	0.00276	0.0600
36	UA	E005	Barium, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.0964	0.520
36	UA	E005	Beryllium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.001
36	UA	E005	Boron, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	11.9	2.45
36	UA	E005	Cadmium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.001
36	UA	E005	Chloride, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	17	82.0
36	UA	E005	Chromium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.005	0.0200
36	UA	E005	Cobalt, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.001	0.00400

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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
36	UA	E005	Fluoride, total	mg/L	03/31/21 - 05/08/24	13	8	CI around median	0.25	1.14
36	UA	E005	Lead, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.0005	0.00600
36	UA	E005	Lithium, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.143	0.0300
36	UA	E005	Mercury, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0002	0.0002
36	UA	E005	Molybdenum, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	0.116	0.0200
36	UA	E005	pH (field)	SU	03/31/21 - 05/08/24	13	0	CI around mean	7.0/7.3	6.8/7.8
36	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/08/24	12	0	CI around mean	1.02	1.90
36	UA	E005	Selenium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0025	0.001
36	UA	E005	Sulfate, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	961	227
36	UA	E005	Thallium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.002	0.002
36	UA	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	1,660	746
37	LGU	E005	Antimony, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.003	0.00100
37	LGU	E005	Arsenic, total	mg/L	03/31/21 - 05/08/24	13	0	CI around median	0.034	0.0600
37	LGU	E005	Barium, total	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	0.309	0.520
37	LGU	E005	Beryllium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.001
37	LGU	E005	Boron, total	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	1.73	2.45
37	LGU	E005	Cadmium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0005	0.001
37	LGU	E005	Chloride, total	mg/L	03/31/21 - 05/08/24	13	0	CI around mean	41.3	82.0
37	LGU	E005	Chromium, total	mg/L	03/31/21 - 05/08/24	13	92	CB around T-S line	0.0015	0.0200
37	LGU	E005	Cobalt, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.001	0.00400
37	LGU	E005	Fluoride, total	mg/L	03/31/21 - 05/08/24	13	8	CI around mean	0.567	1.14
37	LGU	E005	Lead, total	mg/L	03/31/21 - 05/08/24	13	77	CI around median	0.0005	0.00600
37	LGU	E005	Lithium, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.003	0.0300
37	LGU	E005	Mercury, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0002	0.0002
37	LGU	E005	Molybdenum, total	mg/L	03/31/21 - 05/08/24	13	92	CI around median	0.0015	0.0200
37	LGU	E005	pH (field)	SU	03/31/21 - 05/08/24	13	0	CI around mean	6.9/7.1	6.8/7.8
37	LGU	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/08/24	12	0	CI around mean	0.934	1.90

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NORTH ASH POND AND OLD EAST ASH POND
OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
37	LGU	E005	Selenium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.0025	0.001
37	LGU	E005	Sulfate, total	mg/L	03/31/21 - 05/08/24	13	0	CB around T-S line	222	227
37	LGU	E005	Thallium, total	mg/L	03/31/21 - 05/08/24	13	100	All ND - Last	0.002	0.002
37	LGU	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/08/24	13	0	CB around linear reg	839	746
38	UA	E005	Antimony, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.003	0.00100
38	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.0273	0.0600
38	UA	E005	Barium, total	mg/L	03/30/21 - 05/08/24	13	0	CB around T-S line	-0.0435	0.520
38	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.001
38	UA	E005	Boron, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	0.417	2.45
38	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.001
38	UA	E005	Chloride, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	13.9	82.0
38	UA	E005	Chromium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.0200
38	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.00400
38	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/08/24	13	8	CI around geomean	0.35	1.14
38	UA	E005	Lead, total	mg/L	03/30/21 - 05/08/24	13	92	CI around median	0.0005	0.00600
38	UA	E005	Lithium, total	mg/L	03/30/21 - 05/08/24	13	54	CI around median	0.003	0.0300
38	UA	E005	Mercury, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0002	0.0002
38	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/08/24	13	38	CI around mean	0.00241	0.0200
38	UA	E005	pH (field)	SU	03/30/21 - 05/08/24	13	0	CI around mean	6.9/7.1	6.8/7.8
38	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/19/21 - 05/08/24	11	0	CI around mean	0.986	1.90
38	UA	E005	Selenium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0025	0.001
38	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/08/24	13	92	CB around T-S line	-0.857	227
38	UA	E005	Thallium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.002	0.002
38	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	503	746
40	UA	E005	Antimony, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.003	0.00100
40	UA	E005	Arsenic, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.0174	0.0600
40	UA	E005	Barium, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.0292	0.520

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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
40	UA	E005	Beryllium, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.001	0.001
40	UA	E005	Boron, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	19.9	2.45
40	UA	E005	Cadmium, total	mg/L	03/31/21 - 05/07/24	13	92	CI around median	0.0005	0.001
40	UA	E005	Chloride, total	mg/L	03/31/21 - 05/07/24	13	0	CB around linear reg	6.46	82.0
40	UA	E005	Chromium, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.005	0.0200
40	UA	E005	Cobalt, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.00535	0.00400
40	UA	E005	Fluoride, total	mg/L	03/31/21 - 05/07/24	13	85	CI around median	0.1	1.14
40	UA	E005	Lead, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.0005	0.00600
40	UA	E005	Lithium, total	mg/L	03/31/21 - 05/07/24	13	0	CI around median	0.76	0.0300
40	UA	E005	Mercury, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.0002	0.0002
40	UA	E005	Molybdenum, total	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	0.058	0.0200
40	UA	E005	pH (field)	SU	03/31/21 - 05/07/24	12	0	CI around mean	6.4/6.6	6.8/7.8
40	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 05/07/24	12	0	CI around mean	0.729	1.90
40	UA	E005	Selenium, total	mg/L	03/31/21 - 05/07/24	13	100	All ND - Last	0.0025	0.001
40	UA	E005	Sulfate, total	mg/L	03/31/21 - 05/07/24	13	0	CB around linear reg	2,920	227
40	UA	E005	Thallium, total	mg/L	03/31/21 - 05/07/24	13	85	CI around median	0.002	0.002
40	UA	E005	Total Dissolved Solids	mg/L	03/31/21 - 05/07/24	13	0	CI around mean	4,430	746
41	UA	E005	Antimony, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.003	0.00100
41	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	0.0109	0.0600
41	UA	E005	Barium, total	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	0.231	0.520
41	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.001
41	UA	E005	Boron, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	2.92	2.45
41	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.001
41	UA	E005	Chloride, total	mg/L	03/30/21 - 05/08/24	13	0	CB around linear reg	46.2	82.0
41	UA	E005	Chromium, total	mg/L	03/30/21 - 05/08/24	13	92	CI around median	0.0015	0.0200
41	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.001	0.00400
41	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/08/24	13	8	CI around median	0.41	1.14

ATTACHMENT C.
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845 QUARTERLY REPORT
VERMILION POWER PLANT
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OAKWOOD, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
41	UA	E005	Lead, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0005	0.00600
41	UA	E005	Lithium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.0300
41	UA	E005	Mercury, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0002	0.0002
41	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.005	0.0200
41	UA	E005	pH (field)	SU	03/30/21 - 05/08/24	13	0	CI around mean	7.0/7.2	6.8/7.8
41	UA	E005	Radium 226 + Radium 228, total	pCi/L	04/20/21 - 05/08/24	11	0	CI around mean	1.12	1.90
41	UA	E005	Selenium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.0025	0.001
41	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/08/24	13	85	CI around median	1	227
41	UA	E005	Thallium, total	mg/L	03/30/21 - 05/08/24	13	100	All ND - Last	0.002	0.002
41	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/08/24	13	0	CI around mean	604	746

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
LGU = Lower Groundwater Unit
UA = Uppermost Aquifer
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 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
- Most recent sample = Result for the most recently collected sample used due to insufficient data

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
For pH, the values presented are the lower / upper limits of the background determination