



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

April 22, 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: Hennepin Power Plant East Ash Pond; IEPA ID # W1550100002-05

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 1, 2024 sampling event at the Hennepin Power Plant East Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1550100002-05. 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 exceedances of the GWPS.

Sincerely,

A handwritten signature in blue ink, reading "Dianna Tickner".

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 1, 2024, East Ash Pond, Hennepin Power Plant, Hennepin, Illinois

35 I.A.C. § 845.610(B)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 1, 2024
EAST ASH POND, HENNEPIN POWER PLANT, HENNEPIN, ILLINOIS

April 22, 2024

Samples were collected on January 24, 25 and 26, 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 February 22, 2024.

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

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 1, 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 exceedances of the GWPS. As shown in **Table 2**, exceedances of the GWPS were not identified.

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 1, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 1, 2024
Attachment C	Comparison of Statistical Results to Background - Quarter 1, 2024

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. East Ash Pond. Hennepin Power Plant. Hennepin, Illinois. October 25, 2021.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
07	Background	E004	01/26/2024	Antimony, total	0.0013 U	mg/L
07	Background	E004	01/26/2024	Arsenic, total	0.00023 U	mg/L
07	Background	E004	01/26/2024	Barium, total	0.100	mg/L
07	Background	E004	01/26/2024	Beryllium, total	0.00053 U	mg/L
07	Background	E004	01/26/2024	Boron, total	0.120	mg/L
07	Background	E004	01/26/2024	Cadmium, total	0.00017 U	mg/L
07	Background	E004	01/26/2024	Calcium, total	120	mg/L
07	Background	E004	01/26/2024	Chloride, total	56.0	mg/L
07	Background	E004	01/26/2024	Chromium, total	0.0011 U	mg/L
07	Background	E004	01/26/2024	Cobalt, total	0.00750	mg/L
07	Background	E004	01/26/2024	Dissolved Oxygen	4.30	mg/L
07	Background	E004	01/26/2024	Fluoride, total	0.120	mg/L
07	Background	E004	01/26/2024	Lead, total	0.00019 U	mg/L
07	Background	E004	01/26/2024	Lithium, total	0.00520	mg/L
07	Background	E004	01/26/2024	Mercury, total	0.000079 U	mg/L
07	Background	E004	01/26/2024	Molybdenum, total	0.0025 U	mg/L
07	Background	E004	01/26/2024	Oxidation Reduction Potential	143	mV
07	Background	E004	01/26/2024	pH (field)	7.0	SU
07	Background	E004	01/26/2024	Radium 226 + Radium 228, total	0.947	pCi/L
07	Background	E004	01/26/2024	Selenium, total	0.00098 U	mg/L
07	Background	E004	01/26/2024	Specific Conductance @ 25C (field)	1,026	micromhos/cm
07	Background	E004	01/26/2024	Sulfate, total	59.0	mg/L
07	Background	E004	01/26/2024	Temperature	10.0	degrees C
07	Background	E004	01/26/2024	Thallium, total	0.00057 U	mg/L
07	Background	E004	01/26/2024	Total Dissolved Solids	650	mg/L
07	Background	E004	01/26/2024	Turbidity, field	5.90	NTU
08	Background	E004	01/26/2024	Antimony, total	0.0013 U	mg/L
08	Background	E004	01/26/2024	Arsenic, total	0.00023 U	mg/L
08	Background	E004	01/26/2024	Barium, total	0.120	mg/L
08	Background	E004	01/26/2024	Beryllium, total	0.00053 U	mg/L
08	Background	E004	01/26/2024	Boron, total	0.150	mg/L
08	Background	E004	01/26/2024	Cadmium, total	0.00049 J	mg/L
08	Background	E004	01/26/2024	Calcium, total	200	mg/L
08	Background	E004	01/26/2024	Chloride, total	250	mg/L
08	Background	E004	01/26/2024	Chromium, total	0.0011 U	mg/L
08	Background	E004	01/26/2024	Cobalt, total	0.00430	mg/L
08	Background	E004	01/26/2024	Dissolved Oxygen	0.530	mg/L
08	Background	E004	01/26/2024	Fluoride, total	0.083 J	mg/L
08	Background	E004	01/26/2024	Lead, total	0.00031 J	mg/L
08	Background	E004	01/26/2024	Lithium, total	0.0130	mg/L
08	Background	E004	01/26/2024	Mercury, total	0.000079 U	mg/L
08	Background	E004	01/26/2024	Molybdenum, total	0.0025 U	mg/L
08	Background	E004	01/26/2024	Oxidation Reduction Potential	101	mV
08	Background	E004	01/26/2024	pH (field)	6.8	SU
08	Background	E004	01/26/2024	Radium 226 + Radium 228, total	1.41	pCi/L
08	Background	E004	01/26/2024	Selenium, total	0.00098 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
08	Background	E004	01/26/2024	Specific Conductance @ 25C (field)	1,839	micromhos/cm
08	Background	E004	01/26/2024	Sulfate, total	120	mg/L
08	Background	E004	01/26/2024	Temperature	12.3	degrees C
08	Background	E004	01/26/2024	Thallium, total	0.00057 U	mg/L
08	Background	E004	01/26/2024	Total Dissolved Solids	1,200	mg/L
08	Background	E004	01/26/2024	Turbidity, field	0.970	NTU
08D	Background	E004	01/25/2024	Antimony, total	0.0013 U	mg/L
08D	Background	E004	01/25/2024	Arsenic, total	0.00033 J	mg/L
08D	Background	E004	01/25/2024	Barium, total	0.140	mg/L
08D	Background	E004	01/25/2024	Beryllium, total	0.00053 U	mg/L
08D	Background	E004	01/25/2024	Boron, total	0.120	mg/L
08D	Background	E004	01/25/2024	Cadmium, total	0.000930	mg/L
08D	Background	E004	01/25/2024	Calcium, total	220	mg/L
08D	Background	E004	01/25/2024	Chloride, total	330	mg/L
08D	Background	E004	01/25/2024	Chromium, total	0.0011 U	mg/L
08D	Background	E004	01/25/2024	Cobalt, total	0.00460	mg/L
08D	Background	E004	01/25/2024	Dissolved Oxygen	0.500	mg/L
08D	Background	E004	01/25/2024	Fluoride, total	0.09 J	mg/L
08D	Background	E004	01/25/2024	Lead, total	0.000710	mg/L
08D	Background	E004	01/25/2024	Lithium, total	0.0140	mg/L
08D	Background	E004	01/25/2024	Mercury, total	0.000079 U	mg/L
08D	Background	E004	01/25/2024	Molybdenum, total	0.0025 U	mg/L
08D	Background	E004	01/25/2024	Oxidation Reduction Potential	86.7	mV
08D	Background	E004	01/25/2024	pH (field)	6.7	SU
08D	Background	E004	01/25/2024	Radium 226 + Radium 228, total	0.389	pCi/L
08D	Background	E004	01/25/2024	Selenium, total	0.00098 U	mg/L
08D	Background	E004	01/25/2024	Specific Conductance @ 25C (field)	2,389	micromhos/cm
08D	Background	E004	01/25/2024	Sulfate, total	170	mg/L
08D	Background	E004	01/25/2024	Temperature	12.5	degrees C
08D	Background	E004	01/25/2024	Thallium, total	0.00057 U	mg/L
08D	Background	E004	01/25/2024	Total Dissolved Solids	1,500	mg/L
08D	Background	E004	01/25/2024	Turbidity, field	4.40	NTU
16	Background	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
16	Background	E004	01/24/2024	Arsenic, total	0.00041 J	mg/L
16	Background	E004	01/24/2024	Barium, total	0.0740	mg/L
16	Background	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
16	Background	E004	01/24/2024	Boron, total	0.240	mg/L
16	Background	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
16	Background	E004	01/24/2024	Calcium, total	81.0	mg/L
16	Background	E004	01/24/2024	Chloride, total	89.0	mg/L
16	Background	E004	01/24/2024	Chromium, total	0.0011 U	mg/L
16	Background	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
16	Background	E004	01/24/2024	Dissolved Oxygen	0.480	mg/L
16	Background	E004	01/24/2024	Fluoride, total	0.230	mg/L
16	Background	E004	01/24/2024	Lead, total	0.00019 U	mg/L
16	Background	E004	01/24/2024	Lithium, total	0.0048 J	mg/L

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845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
16	Background	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
16	Background	E004	01/24/2024	Molybdenum, total	0.00700	mg/L
16	Background	E004	01/24/2024	Oxidation Reduction Potential	-4.20	mV
16	Background	E004	01/24/2024	pH (field)	7.3	SU
16	Background	E004	01/24/2024	Radium 226 + Radium 228, total	0.198	pCi/L
16	Background	E004	01/24/2024	Selenium, total	0.00098 U	mg/L
16	Background	E004	01/24/2024	Specific Conductance @ 25C (field)	814	micromhos/cm
16	Background	E004	01/24/2024	Sulfate, total	76.0	mg/L
16	Background	E004	01/24/2024	Temperature	16.0	degrees C
16	Background	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
16	Background	E004	01/24/2024	Total Dissolved Solids	500	mg/L
16	Background	E004	01/24/2024	Turbidity, field	3.64	NTU
17	Background	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
17	Background	E004	01/24/2024	Arsenic, total	0.00046 J	mg/L
17	Background	E004	01/24/2024	Barium, total	0.140	mg/L
17	Background	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
17	Background	E004	01/24/2024	Boron, total	0.140	mg/L
17	Background	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
17	Background	E004	01/24/2024	Calcium, total	120	mg/L
17	Background	E004	01/24/2024	Chloride, total	93.0	mg/L
17	Background	E004	01/24/2024	Chromium, total	0.0011 U	mg/L
17	Background	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
17	Background	E004	01/24/2024	Dissolved Oxygen	3.32	mg/L
17	Background	E004	01/24/2024	Fluoride, total	0.150	mg/L
17	Background	E004	01/24/2024	Lead, total	0.00019 U	mg/L
17	Background	E004	01/24/2024	Lithium, total	0.00550	mg/L
17	Background	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
17	Background	E004	01/24/2024	Molybdenum, total	0.0029 J	mg/L
17	Background	E004	01/24/2024	Oxidation Reduction Potential	143	mV
17	Background	E004	01/24/2024	pH (field)	7.0	SU
17	Background	E004	01/24/2024	Radium 226 + Radium 228, total	0.544	pCi/L
17	Background	E004	01/24/2024	Selenium, total	0.00098 U	mg/L
17	Background	E004	01/24/2024	Specific Conductance @ 25C (field)	1,110	micromhos/cm
17	Background	E004	01/24/2024	Sulfate, total	65.0	mg/L
17	Background	E004	01/24/2024	Temperature	14.1	degrees C
17	Background	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
17	Background	E004	01/24/2024	Total Dissolved Solids	670	mg/L
17	Background	E004	01/24/2024	Turbidity, field	2.49	NTU
12	Compliance	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
12	Compliance	E004	01/24/2024	Arsenic, total	0.00049 J	mg/L
12	Compliance	E004	01/24/2024	Barium, total	0.0620	mg/L
12	Compliance	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
12	Compliance	E004	01/24/2024	Boron, total	0.160	mg/L
12	Compliance	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
12	Compliance	E004	01/24/2024	Calcium, total	79.0	mg/L
12	Compliance	E004	01/24/2024	Chloride, total	80.0	mg/L

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HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
12	Compliance	E004	01/24/2024	Chromium, total	0.0012 J	mg/L
12	Compliance	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
12	Compliance	E004	01/24/2024	Dissolved Oxygen	3.16	mg/L
12	Compliance	E004	01/24/2024	Fluoride, total	0.210	mg/L
12	Compliance	E004	01/24/2024	Lead, total	0.00019 U	mg/L
12	Compliance	E004	01/24/2024	Lithium, total	0.00950	mg/L
12	Compliance	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
12	Compliance	E004	01/24/2024	Molybdenum, total	0.0150	mg/L
12	Compliance	E004	01/24/2024	Oxidation Reduction Potential	52.5	mV
12	Compliance	E004	01/24/2024	pH (field)	7.4	SU
12	Compliance	E004	01/24/2024	Radium 226 + Radium 228, total	0.313	pCi/L
12	Compliance	E004	01/24/2024	Selenium, total	0.00098 U	mg/L
12	Compliance	E004	01/24/2024	Specific Conductance @ 25C (field)	797	micromhos/cm
12	Compliance	E004	01/24/2024	Sulfate, total	69.0	mg/L
12	Compliance	E004	01/24/2024	Temperature	15.4	degrees C
12	Compliance	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
12	Compliance	E004	01/24/2024	Total Dissolved Solids	490	mg/L
12	Compliance	E004	01/24/2024	Turbidity, field	1.46	NTU
13	Compliance	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
13	Compliance	E004	01/24/2024	Arsenic, total	0.00073 J	mg/L
13	Compliance	E004	01/24/2024	Barium, total	0.0490	mg/L
13	Compliance	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
13	Compliance	E004	01/24/2024	Boron, total	0.600	mg/L
13	Compliance	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
13	Compliance	E004	01/24/2024	Calcium, total	81.0	mg/L
13	Compliance	E004	01/24/2024	Chloride, total	81.0	mg/L
13	Compliance	E004	01/24/2024	Chromium, total	0.0014 J	mg/L
13	Compliance	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
13	Compliance	E004	01/24/2024	Dissolved Oxygen	0.890	mg/L
13	Compliance	E004	01/24/2024	Fluoride, total	0.200	mg/L
13	Compliance	E004	01/24/2024	Lead, total	0.00019 U	mg/L
13	Compliance	E004	01/24/2024	Lithium, total	0.0120	mg/L
13	Compliance	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
13	Compliance	E004	01/24/2024	Molybdenum, total	0.0140	mg/L
13	Compliance	E004	01/24/2024	Oxidation Reduction Potential	37.2	mV
13	Compliance	E004	01/24/2024	pH (field)	7.5	SU
13	Compliance	E004	01/24/2024	Radium 226 + Radium 228, total	0.678	pCi/L
13	Compliance	E004	01/24/2024	Selenium, total	0.0019 J	mg/L
13	Compliance	E004	01/24/2024	Specific Conductance @ 25C (field)	838	micromhos/cm
13	Compliance	E004	01/24/2024	Sulfate, total	100	mg/L
13	Compliance	E004	01/24/2024	Temperature	14.3	degrees C
13	Compliance	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
13	Compliance	E004	01/24/2024	Total Dissolved Solids	530	mg/L
13	Compliance	E004	01/24/2024	Turbidity, field	0.990	NTU
46	Compliance	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
46	Compliance	E004	01/24/2024	Arsenic, total	0.00055 J	mg/L

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HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
46	Compliance	E004	01/24/2024	Barium, total	0.0710	mg/L
46	Compliance	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
46	Compliance	E004	01/24/2024	Boron, total	0.360	mg/L
46	Compliance	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
46	Compliance	E004	01/24/2024	Calcium, total	79.0	mg/L
46	Compliance	E004	01/24/2024	Chloride, total	81.0	mg/L
46	Compliance	E004	01/24/2024	Chromium, total	0.0013 J	mg/L
46	Compliance	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
46	Compliance	E004	01/24/2024	Dissolved Oxygen	2.27	mg/L
46	Compliance	E004	01/24/2024	Fluoride, total	0.220	mg/L
46	Compliance	E004	01/24/2024	Lead, total	0.00019 U	mg/L
46	Compliance	E004	01/24/2024	Lithium, total	0.00620	mg/L
46	Compliance	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
46	Compliance	E004	01/24/2024	Molybdenum, total	0.0180	mg/L
46	Compliance	E004	01/24/2024	Oxidation Reduction Potential	118	mV
46	Compliance	E004	01/24/2024	pH (field)	7.3	SU
46	Compliance	E004	01/24/2024	Radium 226 + Radium 228, total	0.62	pCi/L
46	Compliance	E004	01/24/2024	Selenium, total	0.0013 J	mg/L
46	Compliance	E004	01/24/2024	Specific Conductance @ 25C (field)	848	micromhos/cm
46	Compliance	E004	01/24/2024	Sulfate, total	72.0	mg/L
46	Compliance	E004	01/24/2024	Temperature	14.6	degrees C
46	Compliance	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
46	Compliance	E004	01/24/2024	Total Dissolved Solids	520	mg/L
46	Compliance	E004	01/24/2024	Turbidity, field	0.700	NTU
47	Compliance	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
47	Compliance	E004	01/24/2024	Arsenic, total	0.00047 J	mg/L
47	Compliance	E004	01/24/2024	Barium, total	0.0970	mg/L
47	Compliance	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
47	Compliance	E004	01/24/2024	Boron, total	0.490	mg/L
47	Compliance	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
47	Compliance	E004	01/24/2024	Calcium, total	97.0	mg/L
47	Compliance	E004	01/24/2024	Chloride, total	94.0	mg/L
47	Compliance	E004	01/24/2024	Chromium, total	0.0011 U	mg/L
47	Compliance	E004	01/24/2024	Cobalt, total	0.00052 J	mg/L
47	Compliance	E004	01/24/2024	Dissolved Oxygen	2.55	mg/L
47	Compliance	E004	01/24/2024	Fluoride, total	0.280	mg/L
47	Compliance	E004	01/24/2024	Lead, total	0.00044 J	mg/L
47	Compliance	E004	01/24/2024	Lithium, total	0.00730	mg/L
47	Compliance	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
47	Compliance	E004	01/24/2024	Molybdenum, total	0.0260	mg/L
47	Compliance	E004	01/24/2024	Oxidation Reduction Potential	128	mV
47	Compliance	E004	01/24/2024	pH (field)	7.1	SU
47	Compliance	E004	01/24/2024	Radium 226 + Radium 228, total	0.339	pCi/L
47	Compliance	E004	01/24/2024	Selenium, total	0.00098 U	mg/L
47	Compliance	E004	01/24/2024	Specific Conductance @ 25C (field)	959	micromhos/cm
47	Compliance	E004	01/24/2024	Sulfate, total	76.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
47	Compliance	E004	01/24/2024	Temperature	16.7	degrees C
47	Compliance	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
47	Compliance	E004	01/24/2024	Total Dissolved Solids	600	mg/L
47	Compliance	E004	01/24/2024	Turbidity, field	0.480	NTU
52	Compliance	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
52	Compliance	E004	01/24/2024	Arsenic, total	0.00048 J	mg/L
52	Compliance	E004	01/24/2024	Barium, total	0.0870	mg/L
52	Compliance	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
52	Compliance	E004	01/24/2024	Boron, total	0.440	mg/L
52	Compliance	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
52	Compliance	E004	01/24/2024	Calcium, total	88.0	mg/L
52	Compliance	E004	01/24/2024	Chloride, total	91.0	mg/L
52	Compliance	E004	01/24/2024	Chromium, total	0.0011 U	mg/L
52	Compliance	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
52	Compliance	E004	01/24/2024	Dissolved Oxygen	3.60	mg/L
52	Compliance	E004	01/24/2024	Fluoride, total	0.250	mg/L
52	Compliance	E004	01/24/2024	Lead, total	0.00019 U	mg/L
52	Compliance	E004	01/24/2024	Lithium, total	0.00640	mg/L
52	Compliance	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
52	Compliance	E004	01/24/2024	Molybdenum, total	0.0120	mg/L
52	Compliance	E004	01/24/2024	Oxidation Reduction Potential	89.8	mV
52	Compliance	E004	01/24/2024	pH (field)	7.2	SU
52	Compliance	E004	01/24/2024	Radium 226 + Radium 228, total	0.378	pCi/L
52	Compliance	E004	01/24/2024	Selenium, total	0.002 J	mg/L
52	Compliance	E004	01/24/2024	Specific Conductance @ 25C (field)	966	micromhos/cm
52	Compliance	E004	01/24/2024	Sulfate, total	78.0	mg/L
52	Compliance	E004	01/24/2024	Temperature	13.9	degrees C
52	Compliance	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
52	Compliance	E004	01/24/2024	Total Dissolved Solids	580	mg/L
52	Compliance	E004	01/24/2024	Turbidity, field	1.97	NTU
54	Compliance	E004	01/24/2024	Antimony, total	0.0013 U	mg/L
54	Compliance	E004	01/24/2024	Arsenic, total	0.00023 U	mg/L
54	Compliance	E004	01/24/2024	Barium, total	0.0550	mg/L
54	Compliance	E004	01/24/2024	Beryllium, total	0.00053 U	mg/L
54	Compliance	E004	01/24/2024	Boron, total	0.560	mg/L
54	Compliance	E004	01/24/2024	Cadmium, total	0.00017 U	mg/L
54	Compliance	E004	01/24/2024	Calcium, total	84.0	mg/L
54	Compliance	E004	01/24/2024	Chloride, total	86.0	mg/L
54	Compliance	E004	01/24/2024	Chromium, total	0.0011 U	mg/L
54	Compliance	E004	01/24/2024	Cobalt, total	0.0004 U	mg/L
54	Compliance	E004	01/24/2024	Dissolved Oxygen	1.65	mg/L
54	Compliance	E004	01/24/2024	Fluoride, total	0.260	mg/L
54	Compliance	E004	01/24/2024	Lead, total	0.00019 U	mg/L
54	Compliance	E004	01/24/2024	Lithium, total	0.0130	mg/L
54	Compliance	E004	01/24/2024	Mercury, total	0.000079 U	mg/L
54	Compliance	E004	01/24/2024	Molybdenum, total	0.0280	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
54	Compliance	E004	01/24/2024	Oxidation Reduction Potential	39.8	mV
54	Compliance	E004	01/24/2024	pH (field)	7.3	SU
54	Compliance	E004	01/24/2024	Radium 226 + Radium 228, total	0.379	pCi/L
54	Compliance	E004	01/24/2024	Selenium, total	0.0014 J	mg/L
54	Compliance	E004	01/24/2024	Specific Conductance @ 25C (field)	873	micromhos/cm
54	Compliance	E004	01/24/2024	Sulfate, total	86.0	mg/L
54	Compliance	E004	01/24/2024	Temperature	14.4	degrees C
54	Compliance	E004	01/24/2024	Thallium, total	0.00057 U	mg/L
54	Compliance	E004	01/24/2024	Total Dissolved Solids	580	mg/L
54	Compliance	E004	01/24/2024	Turbidity, field	4.28	NTU

Notes:
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.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
12	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	20	100	All ND - Last	0.003	0.006	Standard	No Exceedance
12	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	25	100	All ND - Last	0.001	0.010	Standard	No Exceedance
12	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	27	0	CI around mean	0.0521	2.0	Standard	No Exceedance
12	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
12	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	28	0	CB around T-S line	0.0443	2	Standard	No Exceedance
12	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	29	90	CI around median	0.001	0.005	Standard	No Exceedance
12	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	70.6	435	Background	No Exceedance
12	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	25	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
12	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	23	83	Most recent sample	0.001	0.0380	Background	No Exceedance
12	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	28	3	CI around median	0.23	4.0	Standard	No Exceedance
12	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	25	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
12	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	24	4	CB around linear reg	0.0057	0.04	Standard	No Exceedance
12	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
12	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	27	0	CB around linear reg	0.011	0.1	Standard	No Exceedance
12	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	35	0	CI around mean	7.3/7.4	6.5/9.0	Standard/Standard	No Exceedance
12	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around mean	0.466	5	Standard	No Exceedance
12	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	27	58	CI around median	0.001	0.05	Standard	No Exceedance
12	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	28	0	CI around geomean	63.7	400	Standard	No Exceedance
12	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
12	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	462	1,620	Background	No Exceedance
13	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	20	96	CB around T-S line	0.001	0.006	Standard	No Exceedance
13	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	25	97	CI around median	0.001	0.010	Standard	No Exceedance
13	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	27	0	CI around mean	0.043	2.0	Standard	No Exceedance
13	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
13	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	0.569	2	Standard	No Exceedance
13	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	29	98	CI around median	0.001	0.005	Standard	No Exceedance
13	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	73.6	435	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
13	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	25	86	CB around T-S line	0.00167	0.1	Standard	No Exceedance
13	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	23	83	Most recent sample	0.001	0.0380	Background	No Exceedance
13	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	28	3	CI around median	0.2	4.0	Standard	No Exceedance
13	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	25	97	CI around median	0.001	0.0075	Standard	No Exceedance
13	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	0.0161	0.04	Standard	No Exceedance
13	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
13	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	27	26	CI around mean	0.0146	0.1	Standard	No Exceedance
13	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	35	0	CI around mean	7.4/7.5	6.5/9.0	Standard/Standard	No Exceedance
13	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around mean	0.492	5	Standard	No Exceedance
13	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	27	45	CI around mean	0.00135	0.05	Standard	No Exceedance
13	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	77.2	400	Standard	No Exceedance
13	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
13	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	27	0	CI around mean	481	1,620	Background	No Exceedance
46	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
46	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	21	100	All ND - Last	0.001	0.010	Standard	No Exceedance
46	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	23	0	CB around linear reg	0.0655	2.0	Standard	No Exceedance
46	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
46	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	0.196	2	Standard	No Exceedance
46	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
46	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	70.3	435	Background	No Exceedance
46	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	21	90	CB around T-S line	0.00162	0.1	Standard	No Exceedance
46	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.001	0.0380	Background	No Exceedance
46	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	24	4	CI around median	0.24	4.0	Standard	No Exceedance
46	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	21	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
46	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	23	4	CI around median	0.0088	0.04	Standard	No Exceedance
46	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
46	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	23	0	CB around T-S line	0.00957	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
46	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	24	0	CB around linear reg	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
46	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around geomean	0.315	5	Standard	No Exceedance
46	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	23	61	CI around median	0.001	0.05	Standard	No Exceedance
46	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	24	0	CI around geomean	62.3	400	Standard	No Exceedance
46	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
46	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	24	0	CB around linear reg	456	1,620	Background	No Exceedance
47	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
47	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	21	95	CI around median	0.001	0.010	Standard	No Exceedance
47	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	23	0	CB around linear reg	0.0842	2.0	Standard	No Exceedance
47	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
47	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	24	0	CI around geomean	0.218	2	Standard	No Exceedance
47	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
47	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	74.6	435	Background	No Exceedance
47	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	21	95	CB around T-S line	0.00158	0.1	Standard	No Exceedance
47	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	22	82	CI around median	0.001	0.0380	Background	No Exceedance
47	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	24	4	CB around T-S line	0.22	4.0	Standard	No Exceedance
47	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	21	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
47	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	23	0	CI around mean	0.00832	0.04	Standard	No Exceedance
47	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
47	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	23	0	CB around linear reg	0.0138	0.1	Standard	No Exceedance
47	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	24	0	CI around mean	7.0/7.1	6.5/9.0	Standard/Standard	No Exceedance
47	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around mean	0.384	5	Standard	No Exceedance
47	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	22	91	CB around T-S line	0.001	0.05	Standard	No Exceedance
47	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	64.3	400	Standard	No Exceedance
47	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
47	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	478	1,620	Background	No Exceedance
52	UA	E004	Antimony, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
52	UA	E004	Arsenic, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.010	Standard	No Exceedance
52	UA	E004	Barium, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.0734	2.0	Standard	No Exceedance
52	UA	E004	Beryllium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
52	UA	E004	Boron, total	mg/L	02/24/21 - 01/24/24	13	0	CI around geomean	0.135	2	Standard	No Exceedance
52	UA	E004	Cadmium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
52	UA	E004	Chloride, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	73.9	435	Background	No Exceedance
52	UA	E004	Chromium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance
52	UA	E004	Cobalt, total	mg/L	02/24/21 - 01/24/24	13	92	Most recent sample	0.001	0.0380	Background	No Exceedance
52	UA	E004	Fluoride, total	mg/L	02/24/21 - 01/24/24	13	8	CI around geomean	0.26	4.0	Standard	No Exceedance
52	UA	E004	Lead, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
52	UA	E004	Lithium, total	mg/L	02/24/21 - 01/24/24	13	8	CI around mean	0.00566	0.04	Standard	No Exceedance
52	UA	E004	Mercury, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
52	UA	E004	Molybdenum, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.0105	0.1	Standard	No Exceedance
52	UA	E004	pH (field)	SU	02/24/21 - 01/24/24	13	0	CI around mean	7.0/7.4	6.5/9.0	Standard/Standard	No Exceedance
52	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 01/24/24	13	0	CI around mean	0.378	5	Standard	No Exceedance
52	UA	E004	Selenium, total	mg/L	02/24/21 - 01/24/24	13	92	CB around T-S line	0.001	0.05	Standard	No Exceedance
52	UA	E004	Sulfate, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	60	400	Standard	No Exceedance
52	UA	E004	Thallium, total	mg/L	02/24/21 - 01/24/24	13	92	CI around median	0.002	0.002	Standard	No Exceedance
52	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 01/24/24	12	0	CI around mean	440	1,620	Background	No Exceedance
54	UA	E004	Antimony, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
54	UA	E004	Arsenic, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.010	Standard	No Exceedance
54	UA	E004	Barium, total	mg/L	02/24/21 - 01/24/24	13	0	CB around linear reg	0.0396	2.0	Standard	No Exceedance
54	UA	E004	Beryllium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
54	UA	E004	Boron, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.492	2	Standard	No Exceedance
54	UA	E004	Cadmium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
54	UA	E004	Chloride, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	79.7	435	Background	No Exceedance
54	UA	E004	Chromium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.005	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
54	UA	E004	Cobalt, total	mg/L	02/24/21 - 01/24/24	13	85	CI around median	0.001	0.0380	Background	No Exceedance
54	UA	E004	Fluoride, total	mg/L	02/24/21 - 01/24/24	13	8	CB around T-S line	-0.165	4.0	Standard	No Exceedance
54	UA	E004	Lead, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
54	UA	E004	Lithium, total	mg/L	02/24/21 - 01/24/24	13	0	CB around linear reg	0.00869	0.04	Standard	No Exceedance
54	UA	E004	Mercury, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
54	UA	E004	Molybdenum, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.0214	0.1	Standard	No Exceedance
54	UA	E004	pH (field)	SU	02/24/21 - 01/24/24	13	0	CI around mean	7.0/7.4	6.5/9.0	Standard/Standard	No Exceedance
54	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 01/24/24	13	0	CI around geomean	0.109	5	Standard	No Exceedance
54	UA	E004	Selenium, total	mg/L	02/24/21 - 01/24/24	13	54	CB around T-S line	0.00151	0.05	Standard	No Exceedance
54	UA	E004	Sulfate, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	76.5	400	Standard	No Exceedance
54	UA	E004	Thallium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
54	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 01/24/24	11	0	CI around mean	490	1,620	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Notes:

Compliance Result:

No Exceedance: the statistical result did not exceed the GWPS.

HSU = hydrostratigraphic 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:

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

Background = background concentration (see cover page for additional information)

FIGURES



- BACKGROUND WELL
- COMPLIANCE WELL
- STAFF GAUGE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 175 350
Feet

MONITORING WELL LOCATION
MAP

EAST ASH POND
HENNEPIN POWER PLANT
HENNEPIN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 1, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
07	Background	01/23/2024	68.78	449.49
08	Background	01/22/2024	53.82	447.36
08D	Background	01/22/2024	54.20	447.21
12	Compliance	01/22/2024	51.34	447.27
13	Compliance	01/22/2024	51.36	447.28
16	Background	01/22/2024	54.38	447.13
17	Background	01/22/2024	58.98	448.32
46	Compliance	01/22/2024	51.58	447.34
47	Compliance	01/22/2024	55.84	446.98
52	Compliance	01/22/2024	53.98	447.12
54	Compliance	01/22/2024	53.92	446.45
XSG01	Water Level	01/22/2024	10.10	483.56
SG02	Water Level	01/22/2024	NA	446.50

Notes:
BMP = below measuring point
NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 1, 2024**

ANALYTICAL REPORT

PREPARED FOR

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

Generated 02/21/24 14:57:11

JOB DESCRIPTION

HEN-24Q1
HEN_845_803

JOB NUMBER

500-245277-12

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.

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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	16
Sample Summary	17
Client Sample Results	18
Definitions	37
QC Association	38
QC Sample Results	45
Chronicle	54
Certification Summary	62
Chain of Custody	63
Receipt Checklists	73
Field Data Sheets	74



Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12

Client: Vistra Energy Corp
Project: HEN-24Q1

Job ID: 500-245277-12

Eurofins Chicago

Job Narrative 500-245277-12

Receipt

The samples were received on 01/24/24 12:20. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 2.1° C, 2.3° C, 2.6° C, 2.7° C, 3.2° C, 3.3° C, 3.9° C, 4.1° C, 4.4° C, 4.4° C, 5.1° C and 5.2° C.

Metals

Method 6020B: The initial low level calibration verification (ICVL) result for batch 752646 was above the upper control limit. The affected analyte is: Sb. Sample results were below the lower limit, and have been reported as qualified data.

Method 6020B: The initial low level calibration verification (ICVL) result for batch 752984 was above the upper control limit. The affected analytes are: Se and Sb. Sample results are below the reporting limit, and have been reported as qualified data.

Method 6020B: The continuing calibration verification (CCV) associated with batch 500-752468 recovered above the upper control limit for As, Cd, and Cr. Reported samples associated with this CCV were non-detects for the affected analytes. The associated sample is impacted: (CCV 500-752468/65).

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

General Chemistry

Method SM 2320B: The method blank for analytical batch 500-753401 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 with the exception of sample HEN_FB .

Method SM 2320B: Reanalysis of the following samples was performed outside of the analytical holding time due to instrument malfunction & Failed QC : HEN_54 (500-245277-23) and HEN_54_FD (500-245277-24). No data available from the original run, reanalysis data reported.

Method SM 2320B: The PHC following the samples did not run due to an instrument malfunction causing it to freeze up. The following samples were reanalyzed outside of holding time and confirmed the results. The original data has been qualified and has been reported.

HEN_46 (500-245277-19), HEN_47 (500-245277-20) and HEN_52 (500-245277-22)

Method SM 2320B: The method blank for analytical batch 500-753214 contained Alkalinity and Bicarbonate Alkalinity as CaCO₃ above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 300.0: The method blank for analytical batch 500-752307 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 300.0: Spike compounds were inadvertently omitted during the extraction process for the matrix spike (MS) and / or matrix spike duplicate (MSD); therefore, matrix spike recoveries are unavailable for analytical batch 500-752534. The associated laboratory control sample (LCS) met acceptance criteria.

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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_12

Lab Sample ID: 500-245277-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0095		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.00049	J B	0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.062		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.16		0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	79		0.20	0.044	mg/L	1			6020B	Total Recoverable
Chromium	0.0012	J	0.0050	0.0011	mg/L	1			6020B	Total Recoverable
Magnesium	31	B	0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.015		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	4.2		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	51	B	0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	80	B	5.0	0.58	mg/L	5			300.0	Total/NA
Sulfate	69		5.0	1.0	mg/L	5			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	250		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	490		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.21		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.30				ft	1			Field Sampling	Total/NA
Field pH	7.41				SU	1			Field Sampling	Total/NA
Field Temperature	15.4				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	52.5				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	3.16				mg/L	1			Field Sampling	Total/NA
Specific Conductance	797				umhos/cm	1			Field Sampling	Total/NA
Turbidity	1.46				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_13

Lab Sample ID: 500-245277-14

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 Recoverable
Arsenic	0.00073	J B	0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.049		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.60		0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	81		0.20	0.044	mg/L	1			6020B	Total Recoverable
Chromium	0.0014	J	0.0050	0.0011	mg/L	1			6020B	Total Recoverable
Magnesium	32	B	0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.014		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	4.6		0.50	0.11	mg/L	1			6020B	Total Recoverable
Selenium	0.0019	J	0.0025	0.00098	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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_13 (Continued)

Lab Sample ID: 500-245277-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	190	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	81	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	100		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	240		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	0.20		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.29				ft	1		Field Sampling	Total/NA
Field pH	7.47				SU	1		Field Sampling	Total/NA
Field Temperature	14.3				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	37.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.89				mg/L	1		Field Sampling	Total/NA
Specific Conductance	838				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.99				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_16

Lab Sample ID: 500-245277-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0048	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00041	J B	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.074		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.24		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	81		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	28	B	0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0070		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	4.6		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	61	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	89	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	76		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	250		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	500		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.23		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	54.33				ft	1		Field Sampling	Total/NA
Field pH	7.31				SU	1		Field Sampling	Total/NA
Field Temperature	16.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-4.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.48				mg/L	1		Field Sampling	Total/NA
Specific Conductance	814				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.64				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_16_FD

Lab Sample ID: 500-245277-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0050		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_16_FD (Continued)

Lab Sample ID: 500-245277-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00043	J B	0.0010	0.00023	mg/L	1		6020B	Total
Barium	0.073		0.0025	0.00073	mg/L	1		6020B	Recoverable
Boron	0.21		0.050	0.013	mg/L	1		6020B	Total
Calcium	79		0.20	0.044	mg/L	1		6020B	Recoverable
Magnesium	27	B	0.20	0.049	mg/L	1		6020B	Total
Molybdenum	0.0070		0.0050	0.0025	mg/L	1		6020B	Recoverable
Potassium	4.4		0.50	0.11	mg/L	1		6020B	Total
Sodium	59	B	0.20	0.077	mg/L	1		6020B	Recoverable
Chloride	89	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	75		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	240		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	460		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.23		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	54.33				ft	1		Field Sampling	Total/NA
Field pH	7.31				SU	1		Field Sampling	Total/NA
Field Temperature	16.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-4.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.48				mg/L	1		Field Sampling	Total/NA
Specific Conductance	814				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.64				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_17

Lab Sample ID: 500-245277-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0055		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.00046	J B	0.0010	0.00023	mg/L	1		6020B	Recoverable
Barium	0.14		0.0025	0.00073	mg/L	1		6020B	Total
Boron	0.14		0.050	0.013	mg/L	1		6020B	Recoverable
Calcium	120		0.20	0.044	mg/L	1		6020B	Total
Magnesium	44	B	0.20	0.049	mg/L	1		6020B	Recoverable
Molybdenum	0.0029	J	0.0050	0.0025	mg/L	1		6020B	Total
Potassium	4.8		0.50	0.11	mg/L	1		6020B	Recoverable
Sodium	61	B	0.20	0.077	mg/L	1		6020B	Total
Chloride	93	B	5.0	0.58	mg/L	5		300.0	Recoverable
Sulfate	65		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	400		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	0.15		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	58.90				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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_17 (Continued)

Lab Sample ID: 500-245277-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.99				SU	1		Field Sampling	Total/NA
Field Temperature	14.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	142.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.32				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1110				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.49				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_46

Lab Sample ID: 500-245277-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0062		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00055	J B	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.071		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.36		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	79		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0013	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Magnesium	30	B	0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.018		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	4.3		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0013	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	55	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	81	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	72		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	250	B	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	0.22		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.61				ft	1		Field Sampling	Total/NA
Field pH	7.35				SU	1		Field Sampling	Total/NA
Field Temperature	14.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	118.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.27				mg/L	1		Field Sampling	Total/NA
Specific Conductance	848				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.70				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_47

Lab Sample ID: 500-245277-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0073		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00047	J B	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.097		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.49		0.050	0.013	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_47 (Continued)

Lab Sample ID: 500-245277-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	97		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00052	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00044	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	30	B	0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.026		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	5.1		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	62	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	94	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	76		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	290	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	600		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.28		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	57.82				ft	1		Field Sampling	Total/NA
Field pH	7.11				SU	1		Field Sampling	Total/NA
Field Temperature	16.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	127.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.55				mg/L	1		Field Sampling	Total/NA
Specific Conductance	959				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.48				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_52

Lab Sample ID: 500-245277-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0064		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00048	J B	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.087		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.44		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	88		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	27	B	0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.012		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	5.2		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0020	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	68	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	91	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	78		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	290	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	580		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.25		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	53.95				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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_52 (Continued)

Lab Sample ID: 500-245277-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.15				SU	1		Field Sampling	Total/NA
Field Temperature	13.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	89.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.60				mg/L	1		Field Sampling	Total/NA
Specific Conductance	966				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.97				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_54

Lab Sample ID: 500-245277-23

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 Recoverable
Barium	0.055		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.56		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	84		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	33		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.028		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	5.0		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0014	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	64	B	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	86	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	86		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	280	H B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	580		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)	53.21				ft	1		Field Sampling	Total/NA
Field pH	7.35				SU	1		Field Sampling	Total/NA
Field Temperature	14.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	39.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.65				mg/L	1		Field Sampling	Total/NA
Specific Conductance	873				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.28				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_54_FD

Lab Sample ID: 500-245277-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014		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	0.051		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.58		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	87		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	28		0.20	0.049	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_54_FD (Continued)

Lab Sample ID: 500-245277-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	0.026		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	4.3		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0014	J ^1+	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	55		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	87	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	86		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	280	H B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	590		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.26		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	53.21				ft	1		Field Sampling	Total/NA
Field pH	7.35				SU	1		Field Sampling	Total/NA
Field Temperature	14.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	39.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.65				mg/L	1		Field Sampling	Total/NA
Specific Conductance	873				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.28				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_08&D

Lab Sample ID: 500-245277-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00033	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.14		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.12		0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00093		0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	220		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0046		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00071		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	59		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	4.3		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	190		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	330		20	2.3	mg/L	20		300.0	Total/NA
Sulfate	170		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	510		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1500		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.090	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	54.09				ft	1		Field Sampling	Total/NA
Field pH	6.69				SU	1		Field Sampling	Total/NA
Field Temperature	12.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	86.7				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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_08&D (Continued)

Lab Sample ID: 500-245277-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oxygen, Dissolved	0.50				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2389				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_XPW01_PORE

Lab Sample ID: 500-245277-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.042		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.0059		0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.067		0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	2.2	B	0.050	0.013	mg/L	1		6020B	Recoverable Total
Calcium	17		0.20	0.044	mg/L	1		6020B	Recoverable Total
Molybdenum	0.10		0.0050	0.0025	mg/L	1		6020B	Recoverable Total
Potassium	40		0.50	0.11	mg/L	1		6020B	Recoverable Total
Selenium	0.013		0.0025	0.00098	mg/L	1		6020B	Recoverable Total
Sodium	160		0.20	0.077	mg/L	1		6020B	Recoverable Total
Chloride	50		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	170		5.0	1.0	mg/L	5		300.0	Total/NA
Carbonate Alkalinity as CaCO3	100		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	630		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.37		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	10.50				ft	1		Field Sampling	Total/NA
Field pH	11.48				SU	1		Field Sampling	Total/NA
Field Temperature	14.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-259.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	-0.18				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1113				umhos/cm	1		Field Sampling	Total/NA
Turbidity	11.89				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_XPW02_PORE

Lab Sample ID: 500-245277-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0077		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Arsenic	0.0076		0.0010	0.00023	mg/L	1		6020B	Recoverable Total
Barium	0.21		0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	3.0	B	0.050	0.013	mg/L	1		6020B	Recoverable Total
Calcium	26		0.20	0.044	mg/L	1		6020B	Recoverable Total
Chromium	0.0015	J	0.0050	0.0011	mg/L	1		6020B	Recoverable Total
Lead	0.00044	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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW02_PORE (Continued)

Lab Sample ID: 500-245277-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Magnesium	0.23		0.20	0.049	mg/L	1			6020B	Total
										Recoverable
Molybdenum	0.46		0.0050	0.0025	mg/L	1			6020B	Total
										Recoverable
Potassium	48		0.50	0.11	mg/L	1			6020B	Total
										Recoverable
Selenium	0.15		0.0025	0.00098	mg/L	1			6020B	Total
										Recoverable
Sodium	470		0.20	0.077	mg/L	1			6020B	Total
										Recoverable
Chloride	19		5.0	0.58	mg/L	5			300.0	Total/NA
Sulfate	370		20	4.1	mg/L	20			300.0	Total/NA
Carbonate Alkalinity as CaCO3	220		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1500		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	2.1		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	14.27				ft	1			Field Sampling	Total/NA
Field pH	12.25				SU	1			Field Sampling	Total/NA
Field Temperature	13.9				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-161.8				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.09				mg/L	1			Field Sampling	Total/NA
Specific Conductance	3777				umhos/cm	1			Field Sampling	Total/NA
Turbidity	21.01				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_XPW03_PORE

Lab Sample ID: 500-245277-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.056		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
										Recoverable
Arsenic	0.0017		0.0010	0.00023	mg/L	1			6020B	Total
										Recoverable
Barium	0.28		0.0025	0.00073	mg/L	1			6020B	Total
										Recoverable
Boron	2.8	B	0.050	0.013	mg/L	1			6020B	Total
										Recoverable
Calcium	88		0.20	0.044	mg/L	1			6020B	Total
										Recoverable
Molybdenum	0.069		0.0050	0.0025	mg/L	1			6020B	Total
										Recoverable
Potassium	24		0.50	0.11	mg/L	1			6020B	Total
										Recoverable
Selenium	0.0074		0.0025	0.00098	mg/L	1			6020B	Total
										Recoverable
Sodium	130		0.20	0.077	mg/L	1			6020B	Total
										Recoverable
Chloride	49		5.0	0.58	mg/L	5			300.0	Total/NA
Sulfate	240		5.0	1.0	mg/L	5			300.0	Total/NA
Carbonate Alkalinity as CaCO3	67		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	750		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.14		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	6.10				ft	1			Field Sampling	Total/NA
Field pH	11.93				SU	1			Field Sampling	Total/NA
Field Temperature	11.4				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-85.7				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.08				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1598				umhos/cm	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW03_PORE (Continued)

Lab Sample ID: 500-245277-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	1.00				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_07

Lab Sample ID: 500-245277-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0052		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.10		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.12	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	120		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0075		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	39		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.7		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	37		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	56		5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	59		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	350		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	650		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.12		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	68.7				ft	1		Field Sampling	Total/NA
Field pH	6.97				SU	1		Field Sampling	Total/NA
Field Temperature	10.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	143.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.30				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1026				umhos/cm	1		Field Sampling	Total/NA
Turbidity	5.90				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_08

Lab Sample ID: 500-245277-40

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 Recoverable
Barium	0.12		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.15	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00049	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	200		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0043		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00031	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	48		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	8.2		0.50	0.11	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
JCH-1845-002
SDG: HEN_845_803

Client Sample ID: HEN_08 (Continued) Lab Sample ID: 500-245277-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	130		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	250		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	510		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1200		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.083	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	53.62				ft	1		Field Sampling	Total/NA
Field pH	6.78				SU	1		Field Sampling	Total/NA
Field Temperature	12.3				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	101.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.53				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1839				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.97				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_55 Lab Sample ID: 500-245277-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	51.55				ft	1		Field Sampling	Total/NA

Client Sample ID: HEN_XSG01 Lab Sample ID: 500-245277-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	10.1				ft	1		Field Sampling	Total/NA

Client Sample ID: HEN_YSG_ILRIVER Lab Sample ID: 500-245277-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	22.07				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-245277-13	HEN_12	Water	01/24/24 11:55	01/25/24 11:51
500-245277-14	HEN_13	Water	01/24/24 12:41	01/25/24 11:51
500-245277-15	HEN_16	Water	01/24/24 10:55	01/25/24 11:51
500-245277-16	HEN_16_FD	Water	01/24/24 10:55	01/25/24 11:51
500-245277-17	HEN_17	Water	01/24/24 11:55	01/25/24 11:51
500-245277-19	HEN_46	Water	01/24/24 13:10	01/25/24 11:51
500-245277-20	HEN_47	Water	01/24/24 14:30	01/25/24 11:51
500-245277-22	HEN_52	Water	01/24/24 10:25	01/25/24 11:51
500-245277-23	HEN_54	Water	01/24/24 13:57	01/25/24 11:51
500-245277-24	HEN_54_FD	Water	01/24/24 13:57	01/25/24 11:51
500-245277-30	HEN_08&D	Water	01/25/24 13:05	01/26/24 11:45
500-245277-36	HEN_XPW01_PORE	Water	01/25/24 08:45	01/26/24 11:45
500-245277-37	HEN_XPW02_PORE	Water	01/25/24 09:30	01/26/24 11:45
500-245277-38	HEN_XPW03_PORE	Water	01/25/24 10:30	01/26/24 11:45
500-245277-39	HEN_07	Water	01/26/24 08:50	01/26/24 11:45
500-245277-40	HEN_08	Water	01/26/24 08:20	01/26/24 11:45
500-245277-48	HEN_55	Water	01/22/24 10:45	01/26/24 11:45
500-245277-49	HEN_XSG01	Water	01/22/24 13:55	01/26/24 11:45
500-245277-50	HEN_YSG_ILRIVER	Water	01/22/24 14:20	01/26/24 11:45

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_12

Lab Sample ID: 500-245277-13

Date Collected: 01/24/24 11:55

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0095		0.0050	0.0020	mg/L		02/01/24 08:27	02/05/24 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 15:25	1
Arsenic	0.00049	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:00	1
Barium	0.062		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:00	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:00	1
Boron	0.16		0.050	0.013	mg/L		01/30/24 09:37	02/02/24 15:25	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:00	1
Calcium	79		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:00	1
Chromium	0.0012	J	0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:00	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:00	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:00	1
Magnesium	31	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:00	1
Molybdenum	0.015		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:00	1
Potassium	4.2		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:00	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 15:25	1
Sodium	51	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:00	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/02/24 09:55	02/05/24 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	80	B	5.0	0.58	mg/L			02/01/24 13:05	5
Sulfate (EPA 300.0)	69		5.0	1.0	mg/L			02/01/24 13:05	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		5.0	3.7	mg/L			01/26/24 19:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/26/24 19:33	1
Total Dissolved Solids (SM 2540C)	490		10	4.3	mg/L			01/29/24 02:28	1
Fluoride (SM 4500 F C)	0.21		0.10	0.056	mg/L			02/09/24 11:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.30				ft			01/24/24 11:55	1
Field pH	7.41				SU			01/24/24 11:55	1
Field Temperature	15.4				Degrees C			01/24/24 11:55	1
Oxidation Reduction Potential	52.5				millivolts			01/24/24 11:55	1
Oxygen, Dissolved	3.16				mg/L			01/24/24 11:55	1
Specific Conductance	797				umhos/cm			01/24/24 11:55	1
Turbidity	1.46				NTU			01/24/24 11:55	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_13

Lab Sample ID: 500-245277-14

Date Collected: 01/24/24 12:41

Matrix: Water

Date Received: 01/25/24 11:51

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		02/01/24 08:27	02/05/24 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 15:29	1
Arsenic	0.00073	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:03	1
Barium	0.049		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:03	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:03	1
Boron	0.60		0.050	0.013	mg/L		01/30/24 09:37	02/02/24 15:29	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:03	1
Calcium	81		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:03	1
Chromium	0.0014	J	0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:03	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:03	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:03	1
Magnesium	32	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:03	1
Molybdenum	0.014		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:03	1
Potassium	4.6		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:03	1
Selenium	0.0019	J	0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 15:29	1
Sodium	190	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:03	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/02/24 09:55	02/05/24 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	81	B	5.0	0.58	mg/L			02/01/24 13:21	5
Sulfate (EPA 300.0)	100		5.0	1.0	mg/L			02/01/24 13:21	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240		5.0	3.7	mg/L			01/26/24 19:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/26/24 19:42	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			01/29/24 02:30	1
Fluoride (SM 4500 F C)	0.20		0.10	0.056	mg/L			02/09/24 11:11	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.29				ft			01/24/24 12:41	1
Field pH	7.47				SU			01/24/24 12:41	1
Field Temperature	14.3				Degrees C			01/24/24 12:41	1
Oxidation Reduction Potential	37.2				millivolts			01/24/24 12:41	1
Oxygen, Dissolved	0.89				mg/L			01/24/24 12:41	1
Specific Conductance	838				umhos/cm			01/24/24 12:41	1
Turbidity	0.99				NTU			01/24/24 12:41	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_16

Lab Sample ID: 500-245277-15

Date Collected: 01/24/24 10:55

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0048	J	0.0050	0.0020	mg/L		02/01/24 08:27	02/05/24 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:08	1
Arsenic	0.00041	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:07	1
Barium	0.074		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:07	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:07	1
Boron	0.24		0.050	0.013	mg/L		01/30/24 09:37	02/06/24 15:38	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:07	1
Calcium	81		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:07	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:07	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:07	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:07	1
Magnesium	28	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:07	1
Molybdenum	0.0070		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:07	1
Potassium	4.6		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:07	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:08	1
Sodium	61	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:07	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/02/24 09:55	02/05/24 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	89	B	5.0	0.58	mg/L			02/01/24 13:37	5
Sulfate (EPA 300.0)	76		5.0	1.0	mg/L			02/01/24 13:37	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		5.0	3.7	mg/L			01/26/24 19:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/26/24 19:55	1
Total Dissolved Solids (SM 2540C)	500		10	4.3	mg/L			01/29/24 02:33	1
Fluoride (SM 4500 F C)	0.23		0.10	0.056	mg/L			02/09/24 11:16	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	54.33				ft			01/24/24 10:55	1
Field pH	7.31				SU			01/24/24 10:55	1
Field Temperature	16.0				Degrees C			01/24/24 10:55	1
Oxidation Reduction Potential	-4.2				millivolts			01/24/24 10:55	1
Oxygen, Dissolved	0.48				mg/L			01/24/24 10:55	1
Specific Conductance	814				umhos/cm			01/24/24 10:55	1
Turbidity	3.64				NTU			01/24/24 10:55	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_16_FD

Lab Sample ID: 500-245277-16

Date Collected: 01/24/24 10:55

Matrix: Water

Date Received: 01/25/24 11:51

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		02/01/24 08:27	02/05/24 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:11	1
Arsenic	0.00043	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:10	1
Barium	0.073		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:10	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:10	1
Boron	0.21		0.050	0.013	mg/L		01/30/24 09:37	02/06/24 15:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:10	1
Calcium	79		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:10	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:10	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:10	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:10	1
Magnesium	27	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:10	1
Molybdenum	0.0070		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:10	1
Potassium	4.4		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:10	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:11	1
Sodium	59	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:10	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/02/24 09:55	02/05/24 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	89	B	5.0	0.58	mg/L			02/01/24 13:52	5
Sulfate (EPA 300.0)	75		5.0	1.0	mg/L			02/01/24 13:52	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240		5.0	3.7	mg/L			01/26/24 20:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/26/24 20:04	1
Total Dissolved Solids (SM 2540C)	460		10	4.3	mg/L			01/29/24 02:36	1
Fluoride (SM 4500 F C)	0.23		0.10	0.056	mg/L			02/09/24 11:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	54.33				ft			01/24/24 10:55	1
Field pH	7.31				SU			01/24/24 10:55	1
Field Temperature	16.0				Degrees C			01/24/24 10:55	1
Oxidation Reduction Potential	-4.2				millivolts			01/24/24 10:55	1
Oxygen, Dissolved	0.48				mg/L			01/24/24 10:55	1
Specific Conductance	814				umhos/cm			01/24/24 10:55	1
Turbidity	3.64				NTU			01/24/24 10:55	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_17

Lab Sample ID: 500-245277-17

Date Collected: 01/24/24 11:55

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0055		0.0050	0.0020	mg/L		02/01/24 08:27	02/05/24 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:15	1
Arsenic	0.00046	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:14	1
Barium	0.14		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:14	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:14	1
Boron	0.14		0.050	0.013	mg/L		01/30/24 09:37	02/06/24 15:45	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:14	1
Calcium	120		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:14	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:14	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:14	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:14	1
Magnesium	44	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:14	1
Molybdenum	0.0029	J	0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:14	1
Potassium	4.8		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:14	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:15	1
Sodium	61	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:14	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	93	B	5.0	0.58	mg/L			02/01/24 14:39	5
Sulfate (EPA 300.0)	65		5.0	1.0	mg/L			02/01/24 14:39	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	400		5.0	3.7	mg/L			01/26/24 20:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/26/24 20:13	1
Total Dissolved Solids (SM 2540C)	670		10	4.3	mg/L			01/29/24 02:38	1
Fluoride (SM 4500 F C)	0.15		0.10	0.056	mg/L			02/09/24 11:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	58.90				ft			01/24/24 11:55	1
Field pH	6.99				SU			01/24/24 11:55	1
Field Temperature	14.1				Degrees C			01/24/24 11:55	1
Oxidation Reduction Potential	142.7				millivolts			01/24/24 11:55	1
Oxygen, Dissolved	3.32				mg/L			01/24/24 11:55	1
Specific Conductance	1110				umhos/cm			01/24/24 11:55	1
Turbidity	2.49				NTU			01/24/24 11:55	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_46

Lab Sample ID: 500-245277-19

Date Collected: 01/24/24 13:10

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0062		0.0050	0.0020	mg/L		02/01/24 08:27	02/05/24 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:25	1
Arsenic	0.00055	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:27	1
Barium	0.071		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:27	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:27	1
Boron	0.36		0.050	0.013	mg/L		01/30/24 09:37	01/31/24 21:27	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:27	1
Calcium	79		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:27	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:27	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:27	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:27	1
Magnesium	30	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:27	1
Molybdenum	0.018		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:27	1
Potassium	4.3		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:27	1
Selenium	0.0013	J	0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:25	1
Sodium	55	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:27	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	81	B	5.0	0.58	mg/L			02/01/24 15:10	5
Sulfate (EPA 300.0)	72		5.0	1.0	mg/L			02/01/24 15:10	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250	B	5.0	3.7	mg/L			02/02/24 10:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/02/24 10:37	1
Total Dissolved Solids (SM 2540C)	520		10	4.3	mg/L			01/29/24 02:43	1
Fluoride (SM 4500 F C)	0.22		0.10	0.056	mg/L			02/09/24 11:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.61				ft			01/24/24 13:10	1
Field pH	7.35				SU			01/24/24 13:10	1
Field Temperature	14.6				Degrees C			01/24/24 13:10	1
Oxidation Reduction Potential	118.5				millivolts			01/24/24 13:10	1
Oxygen, Dissolved	2.27				mg/L			01/24/24 13:10	1
Specific Conductance	848				umhos/cm			01/24/24 13:10	1
Turbidity	0.70				NTU			01/24/24 13:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_47

Lab Sample ID: 500-245277-20

Date Collected: 01/24/24 14:30

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0073		0.0050	0.0020	mg/L		02/01/24 08:27	02/05/24 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:29	1
Arsenic	0.00047	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:31	1
Barium	0.097		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:31	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:31	1
Boron	0.49		0.050	0.013	mg/L		01/30/24 09:37	01/31/24 21:31	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:31	1
Calcium	97		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:31	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:31	1
Cobalt	0.00052	J	0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:31	1
Lead	0.00044	J	0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:31	1
Magnesium	30	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:31	1
Molybdenum	0.026		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:31	1
Potassium	5.1		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:31	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:29	1
Sodium	62	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:31	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	94	B	5.0	0.58	mg/L			02/01/24 15:26	5
Sulfate (EPA 300.0)	76		5.0	1.0	mg/L			02/01/24 15:26	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290	B	5.0	3.7	mg/L			02/02/24 10:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/02/24 10:47	1
Total Dissolved Solids (SM 2540C)	600		10	4.3	mg/L			01/29/24 02:46	1
Fluoride (SM 4500 F C)	0.28		0.10	0.056	mg/L			02/09/24 11:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	57.82				ft			01/24/24 14:30	1
Field pH	7.11				SU			01/24/24 14:30	1
Field Temperature	16.7				Degrees C			01/24/24 14:30	1
Oxidation Reduction Potential	127.9				millivolts			01/24/24 14:30	1
Oxygen, Dissolved	2.55				mg/L			01/24/24 14:30	1
Specific Conductance	959				umhos/cm			01/24/24 14:30	1
Turbidity	0.48				NTU			01/24/24 14:30	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_52

Lab Sample ID: 500-245277-22

Date Collected: 01/24/24 10:25

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0064		0.0050	0.0020	mg/L		01/26/24 08:57	01/29/24 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:42	1
Arsenic	0.00048	J B	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 21:38	1
Barium	0.087		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 21:38	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:38	1
Boron	0.44		0.050	0.013	mg/L		01/30/24 09:37	01/31/24 21:38	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 21:38	1
Calcium	88		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 21:38	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 21:38	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 21:38	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 21:38	1
Magnesium	27	B	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 21:38	1
Molybdenum	0.012		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 21:38	1
Potassium	5.2		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 21:38	1
Selenium	0.0020	J	0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:42	1
Sodium	68	B	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 21:38	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 21:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	91	B	5.0	0.58	mg/L			02/01/24 15:57	5
Sulfate (EPA 300.0)	78		5.0	1.0	mg/L			02/01/24 15:57	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290	B	5.0	3.7	mg/L			02/02/24 11:05	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/02/24 11:05	1
Total Dissolved Solids (SM 2540C)	580		10	4.3	mg/L			01/29/24 03:06	1
Fluoride (SM 4500 F C)	0.25		0.10	0.056	mg/L			02/09/24 11:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	53.95				ft			01/24/24 10:25	1
Field pH	7.15				SU			01/24/24 10:25	1
Field Temperature	13.9				Degrees C			01/24/24 10:25	1
Oxidation Reduction Potential	89.8				millivolts			01/24/24 10:25	1
Oxygen, Dissolved	3.60				mg/L			01/24/24 10:25	1
Specific Conductance	966				umhos/cm			01/24/24 10:25	1
Turbidity	1.97				NTU			01/24/24 10:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_54

Lab Sample ID: 500-245277-23

Date Collected: 01/24/24 13:57

Matrix: Water

Date Received: 01/25/24 11:51

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		01/26/24 08:57	01/29/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 16:46	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/30/24 09:37	02/02/24 16:46	1
Barium	0.055		0.0025	0.00073	mg/L		01/30/24 09:37	02/02/24 16:46	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 21:41	1
Boron	0.56		0.050	0.013	mg/L		01/30/24 09:37	01/31/24 21:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	02/02/24 16:46	1
Calcium	84		0.20	0.044	mg/L		01/30/24 09:37	02/02/24 16:46	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	02/02/24 16:46	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	02/02/24 16:46	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	02/02/24 16:46	1
Magnesium	33		0.20	0.049	mg/L		01/30/24 09:37	02/02/24 16:46	1
Molybdenum	0.028		0.0050	0.0025	mg/L		01/30/24 09:37	02/02/24 16:46	1
Potassium	5.0		0.50	0.11	mg/L		01/30/24 09:37	02/02/24 16:46	1
Selenium	0.0014 J		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 16:46	1
Sodium	64 B		0.20	0.077	mg/L		01/30/24 09:37	02/02/24 16:46	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	02/02/24 16:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	86	B	5.0	0.58	mg/L			02/01/24 16:13	5
Sulfate (EPA 300.0)	86		5.0	1.0	mg/L			02/01/24 16:13	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	280	H B	5.0	3.7	mg/L			02/08/24 17:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0	H	5.0	3.7	mg/L			02/08/24 17:19	1
Total Dissolved Solids (SM 2540C)	580		10	4.3	mg/L			01/29/24 03:12	1
Fluoride (SM 4500 F C)	0.26		0.10	0.056	mg/L			02/09/24 12:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	53.21				ft			01/24/24 13:57	1
Field pH	7.35				SU			01/24/24 13:57	1
Field Temperature	14.4				Degrees C			01/24/24 13:57	1
Oxidation Reduction Potential	39.8				millivolts			01/24/24 13:57	1
Oxygen, Dissolved	1.65				mg/L			01/24/24 13:57	1
Specific Conductance	873				umhos/cm			01/24/24 13:57	1
Turbidity	4.28				NTU			01/24/24 13:57	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_54_FD

Lab Sample ID: 500-245277-24

Date Collected: 01/24/24 13:57

Matrix: Water

Date Received: 01/25/24 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.0050	0.0020	mg/L		01/26/24 08:57	01/29/24 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 17:00	02/06/24 17:41	1
Arsenic	0.00027	J	0.0010	0.00023	mg/L		01/30/24 17:00	02/01/24 16:16	1
Barium	0.051		0.0025	0.00073	mg/L		01/30/24 17:00	02/01/24 16:16	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 17:00	02/06/24 17:41	1
Boron	0.58		0.050	0.013	mg/L		01/30/24 17:00	02/06/24 17:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 17:00	02/01/24 16:16	1
Calcium	87		0.20	0.044	mg/L		01/30/24 17:00	02/06/24 17:41	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 17:00	02/01/24 16:16	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 17:00	02/01/24 16:16	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 17:00	02/01/24 16:16	1
Magnesium	28		0.20	0.049	mg/L		01/30/24 17:00	02/01/24 16:16	1
Molybdenum	0.026		0.0050	0.0025	mg/L		01/30/24 17:00	02/01/24 16:16	1
Potassium	4.3		0.50	0.11	mg/L		01/30/24 17:00	02/01/24 16:16	1
Selenium	0.0014	J ^1+	0.0025	0.00098	mg/L		01/30/24 17:00	02/06/24 17:41	1
Sodium	55		0.20	0.077	mg/L		01/30/24 17:00	02/01/24 16:16	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 17:00	02/06/24 17:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	87	B	5.0	0.58	mg/L			02/01/24 16:28	5
Sulfate (EPA 300.0)	86		5.0	1.0	mg/L			02/01/24 16:28	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	280	H B	5.0	3.7	mg/L			02/08/24 17:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0	H	5.0	3.7	mg/L			02/08/24 17:29	1
Total Dissolved Solids (SM 2540C)	590		10	4.3	mg/L			01/29/24 03:14	1
Fluoride (SM 4500 F C)	0.26		0.10	0.056	mg/L			02/09/24 12:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	53.21				ft			01/24/24 13:57	1
Field pH	7.35				SU			01/24/24 13:57	1
Field Temperature	14.4				Degrees C			01/24/24 13:57	1
Oxidation Reduction Potential	39.8				millivolts			01/24/24 13:57	1
Oxygen, Dissolved	1.65				mg/L			01/24/24 13:57	1
Specific Conductance	873				umhos/cm			01/24/24 13:57	1
Turbidity	4.28				NTU			01/24/24 13:57	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_08&D

Lab Sample ID: 500-245277-30

Date Collected: 01/25/24 13:05

Matrix: Water

Date Received: 01/26/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 17:00	02/06/24 18:05	1
Arsenic	0.00033	J	0.0010	0.00023	mg/L		01/30/24 17:00	02/01/24 16:50	1
Barium	0.14		0.0025	0.00073	mg/L		01/30/24 17:00	02/01/24 16:50	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 17:00	02/06/24 18:05	1
Boron	0.12		0.050	0.013	mg/L		01/30/24 17:00	02/01/24 16:50	1
Cadmium	0.00093		0.00050	0.00017	mg/L		01/30/24 17:00	02/01/24 16:50	1
Calcium	220		0.20	0.044	mg/L		01/30/24 17:00	02/06/24 18:05	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 17:00	02/01/24 16:50	1
Cobalt	0.0046		0.0010	0.00040	mg/L		01/30/24 17:00	02/01/24 16:50	1
Lead	0.00071		0.00050	0.00019	mg/L		01/30/24 17:00	02/01/24 16:50	1
Magnesium	59		0.20	0.049	mg/L		01/30/24 17:00	02/01/24 16:50	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/30/24 17:00	02/01/24 16:50	1
Potassium	4.3		0.50	0.11	mg/L		01/30/24 17:00	02/01/24 16:50	1
Selenium	<0.0025	^1+	0.0025	0.00098	mg/L		01/30/24 17:00	02/06/24 18:05	1
Sodium	190		0.20	0.077	mg/L		01/30/24 17:00	02/01/24 16:50	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 17:00	02/06/24 18:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	330		20	2.3	mg/L			02/06/24 13:50	20
Sulfate (EPA 300.0)	170		5.0	1.0	mg/L			02/03/24 15:07	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	510		5.0	3.7	mg/L			02/08/24 11:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/08/24 11:47	1
Total Dissolved Solids (SM 2540C)	1500		10	4.3	mg/L			01/29/24 03:30	1
Fluoride (SM 4500 F C)	0.090	J	0.10	0.056	mg/L			02/09/24 12:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	54.09				ft			01/25/24 13:05	1
Field pH	6.69				SU			01/25/24 13:05	1
Field Temperature	12.5				Degrees C			01/25/24 13:05	1
Oxidation Reduction Potential	86.7				millivolts			01/25/24 13:05	1
Oxygen, Dissolved	0.50				mg/L			01/25/24 13:05	1
Specific Conductance	2389				umhos/cm			01/25/24 13:05	1
Turbidity	4.40				NTU			01/25/24 13:05	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW01_PORE

Lab Sample ID: 500-245277-36

Date Collected: 01/25/24 08:45

Matrix: Water

Date Received: 01/26/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.042		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/31/24 08:07	02/06/24 19:10	1
Arsenic	0.0059		0.0010	0.00023	mg/L		01/31/24 08:07	02/01/24 17:59	1
Barium	0.067		0.0025	0.00073	mg/L		01/31/24 08:07	02/01/24 17:59	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/31/24 08:07	02/06/24 19:10	1
Boron	2.2	B	0.050	0.013	mg/L		01/31/24 08:07	02/06/24 19:10	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/31/24 08:07	02/01/24 17:59	1
Calcium	17		0.20	0.044	mg/L		01/31/24 08:07	02/06/24 19:10	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/31/24 08:07	02/01/24 17:59	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/31/24 08:07	02/01/24 17:59	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/31/24 08:07	02/01/24 17:59	1
Magnesium	<0.20		0.20	0.049	mg/L		01/31/24 08:07	02/01/24 17:59	1
Molybdenum	0.10		0.0050	0.0025	mg/L		01/31/24 08:07	02/01/24 17:59	1
Potassium	40		0.50	0.11	mg/L		01/31/24 08:07	02/01/24 17:59	1
Selenium	0.013		0.0025	0.00098	mg/L		01/31/24 08:07	02/08/24 11:53	1
Sodium	160		0.20	0.077	mg/L		01/31/24 08:07	02/06/24 19:10	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/31/24 08:07	02/06/24 19:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	50		5.0	0.58	mg/L			02/03/24 16:08	5
Sulfate (EPA 300.0)	170		5.0	1.0	mg/L			02/03/24 16:08	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/08/24 12:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	100		5.0	3.7	mg/L			02/08/24 12:36	1
Total Dissolved Solids (SM 2540C)	630		10	4.3	mg/L			01/29/24 03:43	1
Fluoride (SM 4500 F C)	0.37		0.10	0.056	mg/L			02/09/24 13:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	10.50				ft			01/25/24 08:45	1
Field pH	11.48				SU			01/25/24 08:45	1
Field Temperature	14.4				Degrees C			01/25/24 08:45	1
Oxidation Reduction Potential	-259.9				millivolts			01/25/24 08:45	1
Oxygen, Dissolved	-0.18				mg/L			01/25/24 08:45	1
Specific Conductance	1113				umhos/cm			01/25/24 08:45	1
Turbidity	11.89				NTU			01/25/24 08:45	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW02_PORE

Lab Sample ID: 500-245277-37

Date Collected: 01/25/24 09:30

Matrix: Water

Date Received: 01/26/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0077		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/31/24 08:07	02/06/24 19:14	1
Arsenic	0.0076		0.0010	0.00023	mg/L		01/31/24 08:07	02/06/24 19:14	1
Barium	0.21		0.0025	0.00073	mg/L		01/31/24 08:07	02/01/24 18:09	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/31/24 08:07	02/06/24 19:14	1
Boron	3.0	B	0.050	0.013	mg/L		01/31/24 08:07	02/06/24 19:14	1
Cadmium	<0.00050	^+	0.00050	0.00017	mg/L		01/31/24 08:07	02/01/24 18:09	1
Calcium	26		0.20	0.044	mg/L		01/31/24 08:07	02/06/24 19:14	1
Chromium	0.0015	J	0.0050	0.0011	mg/L		01/31/24 08:07	02/06/24 19:14	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/31/24 08:07	02/01/24 18:09	1
Lead	0.00044	J	0.00050	0.00019	mg/L		01/31/24 08:07	02/01/24 18:09	1
Magnesium	0.23		0.20	0.049	mg/L		01/31/24 08:07	02/01/24 18:09	1
Molybdenum	0.46		0.0050	0.0025	mg/L		01/31/24 08:07	02/01/24 18:09	1
Potassium	48		0.50	0.11	mg/L		01/31/24 08:07	02/01/24 18:09	1
Selenium	0.15		0.0025	0.00098	mg/L		01/31/24 08:07	02/08/24 11:57	1
Sodium	470		0.20	0.077	mg/L		01/31/24 08:07	02/06/24 19:14	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/31/24 08:07	02/06/24 19:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	19		5.0	0.58	mg/L			02/03/24 16:23	5
Sulfate (EPA 300.0)	370		20	4.1	mg/L			02/06/24 15:36	20
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/08/24 12:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	220		5.0	3.7	mg/L			02/08/24 12:45	1
Total Dissolved Solids (SM 2540C)	1500		10	4.3	mg/L			01/29/24 03:45	1
Fluoride (SM 4500 F C)	2.1		0.10	0.056	mg/L			02/09/24 13:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	14.27				ft			01/25/24 09:30	1
Field pH	12.25				SU			01/25/24 09:30	1
Field Temperature	13.9				Degrees C			01/25/24 09:30	1
Oxidation Reduction Potential	-161.8				millivolts			01/25/24 09:30	1
Oxygen, Dissolved	0.09				mg/L			01/25/24 09:30	1
Specific Conductance	3777				umhos/cm			01/25/24 09:30	1
Turbidity	21.01				NTU			01/25/24 09:30	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW03_PORE

Lab Sample ID: 500-245277-38

Date Collected: 01/25/24 10:30

Matrix: Water

Date Received: 01/26/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.056		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/31/24 08:07	02/06/24 19:17	1
Arsenic	0.0017		0.0010	0.00023	mg/L		01/31/24 08:07	02/06/24 19:17	1
Barium	0.28		0.0025	0.00073	mg/L		01/31/24 08:07	02/01/24 18:13	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/31/24 08:07	02/06/24 19:17	1
Boron	2.8	B	0.050	0.013	mg/L		01/31/24 08:07	02/06/24 19:17	1
Cadmium	<0.00050	^+	0.00050	0.00017	mg/L		01/31/24 08:07	02/01/24 18:13	1
Calcium	88		0.20	0.044	mg/L		01/31/24 08:07	02/06/24 19:17	1
Chromium	<0.0050	^+	0.0050	0.0011	mg/L		01/31/24 08:07	02/01/24 18:13	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/31/24 08:07	02/01/24 18:13	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/31/24 08:07	02/01/24 18:13	1
Magnesium	<0.20		0.20	0.049	mg/L		01/31/24 08:07	02/01/24 18:13	1
Molybdenum	0.069		0.0050	0.0025	mg/L		01/31/24 08:07	02/01/24 18:13	1
Potassium	24		0.50	0.11	mg/L		01/31/24 08:07	02/01/24 18:13	1
Selenium	0.0074		0.0025	0.00098	mg/L		01/31/24 08:07	02/08/24 12:01	1
Sodium	130		0.20	0.077	mg/L		01/31/24 08:07	02/06/24 19:17	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/31/24 08:07	02/06/24 19:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 09:31	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			02/03/24 16:38	5
Sulfate (EPA 300.0)	240		5.0	1.0	mg/L			02/03/24 16:38	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/08/24 12:56	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	67		5.0	3.7	mg/L			02/08/24 12:56	1
Total Dissolved Solids (SM 2540C)	750		10	4.3	mg/L			01/29/24 03:48	1
Fluoride (SM 4500 F C)	0.14		0.10	0.056	mg/L			02/09/24 13:42	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	6.10				ft			01/25/24 10:30	1
Field pH	11.93				SU			01/25/24 10:30	1
Field Temperature	11.4				Degrees C			01/25/24 10:30	1
Oxidation Reduction Potential	-85.7				millivolts			01/25/24 10:30	1
Oxygen, Dissolved	0.08				mg/L			01/25/24 10:30	1
Specific Conductance	1598				umhos/cm			01/25/24 10:30	1
Turbidity	1.00				NTU			01/25/24 10:30	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_07

Lab Sample ID: 500-245277-39

Date Collected: 01/26/24 08:50

Matrix: Water

Date Received: 01/26/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0052		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/31/24 08:07	02/06/24 19:21	1
Arsenic	<0.0010	^+	0.0010	0.00023	mg/L		01/31/24 08:07	02/01/24 18:16	1
Barium	0.10		0.0025	0.00073	mg/L		01/31/24 08:07	02/01/24 18:16	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/31/24 08:07	02/06/24 19:21	1
Boron	0.12	B	0.050	0.013	mg/L		01/31/24 08:07	02/06/24 19:21	1
Cadmium	<0.00050	^+	0.00050	0.00017	mg/L		01/31/24 08:07	02/01/24 18:16	1
Calcium	120		0.20	0.044	mg/L		01/31/24 08:07	02/06/24 19:21	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/31/24 08:07	02/06/24 19:21	1
Cobalt	0.0075		0.0010	0.00040	mg/L		01/31/24 08:07	02/01/24 18:16	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/31/24 08:07	02/01/24 18:16	1
Magnesium	39		0.20	0.049	mg/L		01/31/24 08:07	02/01/24 18:16	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/31/24 08:07	02/01/24 18:16	1
Potassium	2.7		0.50	0.11	mg/L		01/31/24 08:07	02/01/24 18:16	1
Selenium	<0.0025	^1+	0.0025	0.00098	mg/L		01/31/24 08:07	02/06/24 19:21	1
Sodium	37		0.20	0.077	mg/L		01/31/24 08:07	02/06/24 19:21	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/31/24 08:07	02/06/24 19:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	56		5.0	0.58	mg/L			02/03/24 17:24	5
Sulfate (EPA 300.0)	59		5.0	1.0	mg/L			02/03/24 17:24	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	350		5.0	3.7	mg/L			02/08/24 13:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/08/24 13:07	1
Total Dissolved Solids (SM 2540C)	650		10	4.3	mg/L			01/29/24 03:50	1
Fluoride (SM 4500 F C)	0.12		0.10	0.056	mg/L			02/09/24 13:48	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	68.7				ft			01/26/24 08:50	1
Field pH	6.97				SU			01/26/24 08:50	1
Field Temperature	10.0				Degrees C			01/26/24 08:50	1
Oxidation Reduction Potential	143.4				millivolts			01/26/24 08:50	1
Oxygen, Dissolved	4.30				mg/L			01/26/24 08:50	1
Specific Conductance	1026				umhos/cm			01/26/24 08:50	1
Turbidity	5.90				NTU			01/26/24 08:50	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_08

Lab Sample ID: 500-245277-40

Date Collected: 01/26/24 08:20

Matrix: Water

Date Received: 01/26/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/31/24 08:07	02/06/24 19:24	1
Arsenic	<0.0010	^+	0.0010	0.00023	mg/L		01/31/24 08:07	02/01/24 18:20	1
Barium	0.12		0.0025	0.00073	mg/L		01/31/24 08:07	02/01/24 18:20	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/31/24 08:07	02/06/24 19:24	1
Boron	0.15	B	0.050	0.013	mg/L		01/31/24 08:07	02/06/24 19:24	1
Cadmium	0.00049	J	0.00050	0.00017	mg/L		01/31/24 08:07	02/06/24 19:24	1
Calcium	200		0.20	0.044	mg/L		01/31/24 08:07	02/06/24 19:24	1
Chromium	<0.0050	^+	0.0050	0.0011	mg/L		01/31/24 08:07	02/01/24 18:20	1
Cobalt	0.0043		0.0010	0.00040	mg/L		01/31/24 08:07	02/01/24 18:20	1
Lead	0.00031	J	0.00050	0.00019	mg/L		01/31/24 08:07	02/01/24 18:20	1
Magnesium	48		0.20	0.049	mg/L		01/31/24 08:07	02/01/24 18:20	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/31/24 08:07	02/01/24 18:20	1
Potassium	8.2		0.50	0.11	mg/L		01/31/24 08:07	02/01/24 18:20	1
Selenium	<0.0025	^1+	0.0025	0.00098	mg/L		01/31/24 08:07	02/06/24 19:24	1
Sodium	130		0.20	0.077	mg/L		01/31/24 08:07	02/06/24 19:24	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/31/24 08:07	02/06/24 19:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	250		5.0	0.58	mg/L			02/03/24 17:39	5
Sulfate (EPA 300.0)	120		5.0	1.0	mg/L			02/03/24 17:39	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	510		5.0	3.7	mg/L			02/08/24 13:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			02/08/24 13:16	1
Total Dissolved Solids (SM 2540C)	1200		10	4.3	mg/L			01/29/24 03:53	1
Fluoride (SM 4500 F C)	0.083	J	0.10	0.056	mg/L			02/09/24 13:53	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	53.62				ft			01/26/24 08:20	1
Field pH	6.78				SU			01/26/24 08:20	1
Field Temperature	12.3				Degrees C			01/26/24 08:20	1
Oxidation Reduction Potential	101.3				millivolts			01/26/24 08:20	1
Oxygen, Dissolved	0.53				mg/L			01/26/24 08:20	1
Specific Conductance	1839				umhos/cm			01/26/24 08:20	1
Turbidity	0.97				NTU			01/26/24 08:20	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_55

Date Collected: 01/22/24 10:45

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-48

Matrix: Water

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.55				ft			01/22/24 10:45	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XSG01 Lab Sample ID: 500-245277-49
Date Collected: 01/22/24 13:55 Matrix: Water
Date Received: 01/26/24 11:45

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	10.1				ft			01/22/24 13:55	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: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_YSG_ILRIVER Lab Sample ID: 500-245277-50
Date Collected: 01/22/24 14:20 Matrix: Water
Date Received: 01/26/24 11:45

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	22.07				ft			01/22/24 14:20	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.
α	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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Metals

Prep Batch: 751596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-22	HEN_52	Total Recoverable	Water	200.7	
500-245277-23	HEN_54	Total Recoverable	Water	200.7	
500-245277-24	HEN_54_FD	Total Recoverable	Water	200.7	
MB 500-751596/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-751596/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 751952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-22	HEN_52	Total Recoverable	Water	200.7 Rev 4.4	751596
500-245277-23	HEN_54	Total Recoverable	Water	200.7 Rev 4.4	751596
500-245277-24	HEN_54_FD	Total Recoverable	Water	200.7 Rev 4.4	751596
MB 500-751596/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	751596
LCS 500-751596/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	751596

Prep Batch: 751964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total Recoverable	Water	3005A	
500-245277-14	HEN_13	Total Recoverable	Water	3005A	
500-245277-15	HEN_16	Total Recoverable	Water	3005A	
500-245277-16	HEN_16_FD	Total Recoverable	Water	3005A	
500-245277-17	HEN_17	Total Recoverable	Water	3005A	
500-245277-19	HEN_46	Total Recoverable	Water	3005A	
500-245277-20	HEN_47	Total Recoverable	Water	3005A	
500-245277-22	HEN_52	Total Recoverable	Water	3005A	
500-245277-23	HEN_54	Total Recoverable	Water	3005A	
MB 500-751964/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-751964/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 752046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-24	HEN_54_FD	Total Recoverable	Water	3005A	
500-245277-30	HEN_08&D	Total Recoverable	Water	3005A	
MB 500-752046/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-752046/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 752130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-36	HEN_XPW01_PORE	Total Recoverable	Water	3005A	
500-245277-37	HEN_XPW02_PORE	Total Recoverable	Water	3005A	
500-245277-38	HEN_XPW03_PORE	Total Recoverable	Water	3005A	
500-245277-39	HEN_07	Total Recoverable	Water	3005A	
500-245277-40	HEN_08	Total Recoverable	Water	3005A	
MB 500-752130/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-752130/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 752276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total Recoverable	Water	200.7	
500-245277-14	HEN_13	Total Recoverable	Water	200.7	
500-245277-15	HEN_16	Total Recoverable	Water	200.7	
500-245277-16	HEN_16_FD	Total Recoverable	Water	200.7	

Eurofins Chicago

QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND

Job ID: 500-245277-12
SDG: HEN_845_803

Metals (Continued)

Prep Batch: 752276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-17	HEN_17	Total Recoverable	Water	200.7	
500-245277-19	HEN_46	Total Recoverable	Water	200.7	
500-245277-20	HEN_47	Total Recoverable	Water	200.7	
MB 500-752276/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-752276/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 752277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-30	HEN_08&D	Total Recoverable	Water	200.7	
500-245277-36	HEN_XPW01_PORE	Total Recoverable	Water	200.7	
500-245277-37	HEN_XPW02_PORE	Total Recoverable	Water	200.7	
500-245277-38	HEN_XPW03_PORE	Total Recoverable	Water	200.7	
500-245277-39	HEN_07	Total Recoverable	Water	200.7	
500-245277-40	HEN_08	Total Recoverable	Water	200.7	
MB 500-752277/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-752277/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 752304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total Recoverable	Water	6020B	751964
500-245277-14	HEN_13	Total Recoverable	Water	6020B	751964
500-245277-15	HEN_16	Total Recoverable	Water	6020B	751964
500-245277-16	HEN_16_FD	Total Recoverable	Water	6020B	751964
500-245277-17	HEN_17	Total Recoverable	Water	6020B	751964
500-245277-19	HEN_46	Total Recoverable	Water	6020B	751964
500-245277-20	HEN_47	Total Recoverable	Water	6020B	751964
500-245277-22	HEN_52	Total Recoverable	Water	6020B	751964
500-245277-23	HEN_54	Total Recoverable	Water	6020B	751964
MB 500-751964/1-A	Method Blank	Total Recoverable	Water	6020B	751964
LCS 500-751964/2-A	Lab Control Sample	Total Recoverable	Water	6020B	751964

Analysis Batch: 752468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-24	HEN_54_FD	Total Recoverable	Water	6020B	752046
500-245277-30	HEN_08&D	Total Recoverable	Water	6020B	752046
500-245277-36	HEN_XPW01_PORE	Total Recoverable	Water	6020B	752130
500-245277-37	HEN_XPW02_PORE	Total Recoverable	Water	6020B	752130
500-245277-38	HEN_XPW03_PORE	Total Recoverable	Water	6020B	752130
500-245277-39	HEN_07	Total Recoverable	Water	6020B	752130
500-245277-40	HEN_08	Total Recoverable	Water	6020B	752130
MB 500-752046/1-A	Method Blank	Total Recoverable	Water	6020B	752046
MB 500-752130/1-A	Method Blank	Total Recoverable	Water	6020B	752130
LCS 500-752046/2-A	Lab Control Sample	Total Recoverable	Water	6020B	752046
LCS 500-752130/2-A	Lab Control Sample	Total Recoverable	Water	6020B	752130

Prep Batch: 752474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	7470A	
500-245277-14	HEN_13	Total/NA	Water	7470A	
500-245277-15	HEN_16	Total/NA	Water	7470A	
500-245277-16	HEN_16_FD	Total/NA	Water	7470A	

Eurofins Chicago

QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Metals (Continued)

Prep Batch: 752474 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-752474/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-752474/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 752646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total Recoverable	Water	6020B	751964
500-245277-14	HEN_13	Total Recoverable	Water	6020B	751964
500-245277-15	HEN_16	Total Recoverable	Water	6020B	751964
500-245277-16	HEN_16_FD	Total Recoverable	Water	6020B	751964
500-245277-17	HEN_17	Total Recoverable	Water	6020B	751964
500-245277-19	HEN_46	Total Recoverable	Water	6020B	751964
500-245277-20	HEN_47	Total Recoverable	Water	6020B	751964
500-245277-22	HEN_52	Total Recoverable	Water	6020B	751964
500-245277-23	HEN_54	Total Recoverable	Water	6020B	751964
MB 500-751964/1-A	Method Blank	Total Recoverable	Water	6020B	751964
LCS 500-751964/2-A	Lab Control Sample	Total Recoverable	Water	6020B	751964

Analysis Batch: 752687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	7470A	752474
500-245277-14	HEN_13	Total/NA	Water	7470A	752474
500-245277-15	HEN_16	Total/NA	Water	7470A	752474
500-245277-16	HEN_16_FD	Total/NA	Water	7470A	752474
MB 500-752474/12-A	Method Blank	Total/NA	Water	7470A	752474
LCS 500-752474/13-A	Lab Control Sample	Total/NA	Water	7470A	752474

Prep Batch: 752693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-17	HEN_17	Total/NA	Water	7470A	
500-245277-19	HEN_46	Total/NA	Water	7470A	
500-245277-20	HEN_47	Total/NA	Water	7470A	
500-245277-22	HEN_52	Total/NA	Water	7470A	
500-245277-23	HEN_54	Total/NA	Water	7470A	
500-245277-24	HEN_54_FD	Total/NA	Water	7470A	
500-245277-30	HEN_08&D	Total/NA	Water	7470A	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	7470A	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	7470A	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	7470A	
500-245277-39	HEN_07	Total/NA	Water	7470A	
500-245277-40	HEN_08	Total/NA	Water	7470A	
MB 500-752693/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-752693/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 752818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total Recoverable	Water	200.7 Rev 4.4	752276
500-245277-14	HEN_13	Total Recoverable	Water	200.7 Rev 4.4	752276
500-245277-15	HEN_16	Total Recoverable	Water	200.7 Rev 4.4	752276
500-245277-16	HEN_16_FD	Total Recoverable	Water	200.7 Rev 4.4	752276
500-245277-17	HEN_17	Total Recoverable	Water	200.7 Rev 4.4	752276
500-245277-19	HEN_46	Total Recoverable	Water	200.7 Rev 4.4	752276

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Metals (Continued)

Analysis Batch: 752818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-20	HEN_47	Total Recoverable	Water	200.7 Rev 4.4	752276
500-245277-30	HEN_08&D	Total Recoverable	Water	200.7 Rev 4.4	752277
500-245277-36	HEN_XPW01_PORE	Total Recoverable	Water	200.7 Rev 4.4	752277
500-245277-37	HEN_XPW02_PORE	Total Recoverable	Water	200.7 Rev 4.4	752277
500-245277-38	HEN_XPW03_PORE	Total Recoverable	Water	200.7 Rev 4.4	752277
500-245277-39	HEN_07	Total Recoverable	Water	200.7 Rev 4.4	752277
500-245277-40	HEN_08	Total Recoverable	Water	200.7 Rev 4.4	752277
MB 500-752276/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	752276
MB 500-752277/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	752277
LCS 500-752276/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	752276
LCS 500-752277/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	752277

Analysis Batch: 752861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-17	HEN_17	Total/NA	Water	7470A	752693
500-245277-19	HEN_46	Total/NA	Water	7470A	752693
500-245277-20	HEN_47	Total/NA	Water	7470A	752693
500-245277-22	HEN_52	Total/NA	Water	7470A	752693
500-245277-23	HEN_54	Total/NA	Water	7470A	752693
500-245277-24	HEN_54_FD	Total/NA	Water	7470A	752693
500-245277-30	HEN_08&D	Total/NA	Water	7470A	752693
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	7470A	752693
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	7470A	752693
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	7470A	752693
500-245277-39	HEN_07	Total/NA	Water	7470A	752693
500-245277-40	HEN_08	Total/NA	Water	7470A	752693
MB 500-752693/12-A	Method Blank	Total/NA	Water	7470A	752693
LCS 500-752693/13-A	Lab Control Sample	Total/NA	Water	7470A	752693

Analysis Batch: 752984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-15	HEN_16	Total Recoverable	Water	6020B	751964
500-245277-16	HEN_16_FD	Total Recoverable	Water	6020B	751964
500-245277-17	HEN_17	Total Recoverable	Water	6020B	751964
500-245277-24	HEN_54_FD	Total Recoverable	Water	6020B	752046
500-245277-30	HEN_08&D	Total Recoverable	Water	6020B	752046
500-245277-36	HEN_XPW01_PORE	Total Recoverable	Water	6020B	752130
500-245277-37	HEN_XPW02_PORE	Total Recoverable	Water	6020B	752130
500-245277-38	HEN_XPW03_PORE	Total Recoverable	Water	6020B	752130
500-245277-39	HEN_07	Total Recoverable	Water	6020B	752130
500-245277-40	HEN_08	Total Recoverable	Water	6020B	752130
MB 500-751964/1-A	Method Blank	Total Recoverable	Water	6020B	751964
MB 500-752046/1-A	Method Blank	Total Recoverable	Water	6020B	752046
MB 500-752130/1-A	Method Blank	Total Recoverable	Water	6020B	752130
LCS 500-751964/2-A	Lab Control Sample	Total Recoverable	Water	6020B	751964
LCS 500-752046/2-A	Lab Control Sample	Total Recoverable	Water	6020B	752046
LCS 500-752130/2-A	Lab Control Sample	Total Recoverable	Water	6020B	752130

Analysis Batch: 753282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-36	HEN_XPW01_PORE	Total Recoverable	Water	6020B	752130

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Metals (Continued)

Analysis Batch: 753282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-37	HEN_XPW02_PORE	Total Recoverable	Water	6020B	752130
500-245277-38	HEN_XPW03_PORE	Total Recoverable	Water	6020B	752130

General Chemistry

Analysis Batch: 751719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	SM 2540C	
500-245277-14	HEN_13	Total/NA	Water	SM 2540C	
500-245277-15	HEN_16	Total/NA	Water	SM 2540C	
500-245277-16	HEN_16_FD	Total/NA	Water	SM 2540C	
500-245277-17	HEN_17	Total/NA	Water	SM 2540C	
500-245277-19	HEN_46	Total/NA	Water	SM 2540C	
500-245277-20	HEN_47	Total/NA	Water	SM 2540C	
MB 500-751719/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-751719/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 751720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-22	HEN_52	Total/NA	Water	SM 2540C	
500-245277-23	HEN_54	Total/NA	Water	SM 2540C	
500-245277-24	HEN_54_FD	Total/NA	Water	SM 2540C	
500-245277-30	HEN_08&D	Total/NA	Water	SM 2540C	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	SM 2540C	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	SM 2540C	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	SM 2540C	
500-245277-39	HEN_07	Total/NA	Water	SM 2540C	
500-245277-40	HEN_08	Total/NA	Water	SM 2540C	
MB 500-751720/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-751720/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-245277-22 DU	HEN_52	Total/NA	Water	SM 2540C	

Analysis Batch: 751763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	SM 2320B	
500-245277-14	HEN_13	Total/NA	Water	SM 2320B	
500-245277-15	HEN_16	Total/NA	Water	SM 2320B	
500-245277-16	HEN_16_FD	Total/NA	Water	SM 2320B	
500-245277-17	HEN_17	Total/NA	Water	SM 2320B	
MB 500-751763/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-751763/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 752307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	300.0	
500-245277-14	HEN_13	Total/NA	Water	300.0	
500-245277-15	HEN_16	Total/NA	Water	300.0	
500-245277-16	HEN_16_FD	Total/NA	Water	300.0	
500-245277-17	HEN_17	Total/NA	Water	300.0	
500-245277-19	HEN_46	Total/NA	Water	300.0	
500-245277-20	HEN_47	Total/NA	Water	300.0	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

General Chemistry (Continued)

Analysis Batch: 752307 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-22	HEN_52	Total/NA	Water	300.0	
500-245277-23	HEN_54	Total/NA	Water	300.0	
500-245277-24	HEN_54_FD	Total/NA	Water	300.0	
MB 500-752307/3	Method Blank	Total/NA	Water	300.0	
LCS 500-752307/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 752534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-30	HEN_08&D	Total/NA	Water	300.0	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	300.0	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	300.0	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	300.0	
500-245277-39	HEN_07	Total/NA	Water	300.0	
500-245277-40	HEN_08	Total/NA	Water	300.0	
MB 500-752534/3	Method Blank	Total/NA	Water	300.0	
LCS 500-752534/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 752833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-30	HEN_08&D	Total/NA	Water	300.0	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	300.0	
MB 500-752833/3	Method Blank	Total/NA	Water	300.0	
LCS 500-752833/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 753214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-19	HEN_46	Total/NA	Water	SM 2320B	
500-245277-20	HEN_47	Total/NA	Water	SM 2320B	
500-245277-22	HEN_52	Total/NA	Water	SM 2320B	
MB 500-753214/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-753214/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 753401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-23	HEN_54	Total/NA	Water	SM 2320B	
500-245277-24	HEN_54_FD	Total/NA	Water	SM 2320B	
500-245277-30	HEN_08&D	Total/NA	Water	SM 2320B	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	SM 2320B	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	SM 2320B	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	SM 2320B	
500-245277-39	HEN_07	Total/NA	Water	SM 2320B	
500-245277-40	HEN_08	Total/NA	Water	SM 2320B	
MB 500-753401/3	Method Blank	Total/NA	Water	SM 2320B	
MB 500-753401/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-753401/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-753401/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 753484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	SM 4500 F C	
500-245277-14	HEN_13	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

General Chemistry (Continued)

Analysis Batch: 753484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-15	HEN_16	Total/NA	Water	SM 4500 F C	
500-245277-16	HEN_16_FD	Total/NA	Water	SM 4500 F C	
500-245277-17	HEN_17	Total/NA	Water	SM 4500 F C	
500-245277-19	HEN_46	Total/NA	Water	SM 4500 F C	
500-245277-20	HEN_47	Total/NA	Water	SM 4500 F C	
500-245277-22	HEN_52	Total/NA	Water	SM 4500 F C	
500-245277-23	HEN_54	Total/NA	Water	SM 4500 F C	
500-245277-24	HEN_54_FD	Total/NA	Water	SM 4500 F C	
500-245277-30	HEN_08&D	Total/NA	Water	SM 4500 F C	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	SM 4500 F C	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	SM 4500 F C	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	SM 4500 F C	
500-245277-39	HEN_07	Total/NA	Water	SM 4500 F C	
500-245277-40	HEN_08	Total/NA	Water	SM 4500 F C	
MB 500-753484/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-753484/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-753484/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-753484/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 753002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	Field Sampling	
500-245277-14	HEN_13	Total/NA	Water	Field Sampling	
500-245277-15	HEN_16	Total/NA	Water	Field Sampling	
500-245277-16	HEN_16_FD	Total/NA	Water	Field Sampling	
500-245277-17	HEN_17	Total/NA	Water	Field Sampling	
500-245277-19	HEN_46	Total/NA	Water	Field Sampling	
500-245277-20	HEN_47	Total/NA	Water	Field Sampling	
500-245277-22	HEN_52	Total/NA	Water	Field Sampling	
500-245277-23	HEN_54	Total/NA	Water	Field Sampling	
500-245277-24	HEN_54_FD	Total/NA	Water	Field Sampling	
500-245277-30	HEN_08&D	Total/NA	Water	Field Sampling	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	Field Sampling	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	Field Sampling	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	Field Sampling	
500-245277-39	HEN_07	Total/NA	Water	Field Sampling	
500-245277-40	HEN_08	Total/NA	Water	Field Sampling	

Analysis Batch: 753107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-48	HEN_55	Total/NA	Water	Field Sampling	
500-245277-49	HEN_XSG01	Total/NA	Water	Field Sampling	
500-245277-50	HEN_YSG_ILRIVER	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-751596/1-A
Matrix: Water
Analysis Batch: 751952

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 751596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		01/26/24 08:57	01/29/24 14:50	1

Lab Sample ID: LCS 500-751596/2-A
Matrix: Water
Analysis Batch: 751952

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 751596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.276		mg/L		110	85 - 115

Lab Sample ID: MB 500-752276/1-A
Matrix: Water
Analysis Batch: 752818

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 752276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		02/01/24 08:27	02/05/24 13:35	1

Lab Sample ID: LCS 500-752276/2-A
Matrix: Water
Analysis Batch: 752818

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.254		mg/L		102	85 - 115

Lab Sample ID: MB 500-752277/1-A
Matrix: Water
Analysis Batch: 752818

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 752277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		02/01/24 08:29	02/05/24 11:33	1

Lab Sample ID: LCS 500-752277/2-A
Matrix: Water
Analysis Batch: 752818

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.256		mg/L		102	85 - 115

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-751964/1-A
Matrix: Water
Analysis Batch: 752304

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000257	J	0.0010	0.00023	mg/L		01/30/24 09:37	01/31/24 20:01	1
Barium	<0.0025		0.0025	0.00073	mg/L		01/30/24 09:37	01/31/24 20:01	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 09:37	01/31/24 20:01	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 09:37	01/31/24 20:01	1
Calcium	<0.20		0.20	0.044	mg/L		01/30/24 09:37	01/31/24 20:01	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 09:37	01/31/24 20:01	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

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

Lab Sample ID: MB 500-751964/1-A
Matrix: Water
Analysis Batch: 752304

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 09:37	01/31/24 20:01	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 09:37	01/31/24 20:01	1
Magnesium	0.0659	J	0.20	0.049	mg/L		01/30/24 09:37	01/31/24 20:01	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/30/24 09:37	01/31/24 20:01	1
Potassium	<0.50		0.50	0.11	mg/L		01/30/24 09:37	01/31/24 20:01	1
Sodium	0.0938	J	0.20	0.077	mg/L		01/30/24 09:37	01/31/24 20:01	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 09:37	01/31/24 20:01	1

Lab Sample ID: MB 500-751964/1-A
Matrix: Water
Analysis Batch: 752646

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 09:37	02/02/24 13:53	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/30/24 09:37	02/02/24 13:53	1

Lab Sample ID: MB 500-751964/1-A
Matrix: Water
Analysis Batch: 752984

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050	0.013	mg/L		01/30/24 09:37	02/06/24 14:54	1

Lab Sample ID: LCS 500-751964/2-A
Matrix: Water
Analysis Batch: 752304

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.500	0.542		mg/L		108	80 - 120
Beryllium	0.0500	0.0429		mg/L		86	80 - 120
Cadmium	0.0500	0.0528		mg/L		106	80 - 120
Calcium	10.0	8.00		mg/L		80	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.500	0.514		mg/L		103	80 - 120
Lead	0.100	0.0994		mg/L		99	80 - 120
Magnesium	10.0	10.5		mg/L		105	80 - 120
Molybdenum	1.00	0.974		mg/L		97	80 - 120
Potassium	10.0	10.5		mg/L		105	80 - 120
Sodium	10.0	10.4		mg/L		104	80 - 120
Thallium	0.100	0.0985		mg/L		98	80 - 120

Lab Sample ID: LCS 500-751964/2-A
Matrix: Water
Analysis Batch: 752646

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.511	^1+	mg/L		102	80 - 120
Selenium	0.100	0.0968		mg/L		97	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

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

Lab Sample ID: LCS 500-751964/2-A
Matrix: Water
Analysis Batch: 752984

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 751964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.935		mg/L		93	80 - 120

Lab Sample ID: MB 500-752046/1-A
Matrix: Water
Analysis Batch: 752468

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 752046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/30/24 17:00	02/01/24 15:50	1
Barium	<0.0025		0.0025	0.00073	mg/L		01/30/24 17:00	02/01/24 15:50	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/30/24 17:00	02/01/24 15:50	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/30/24 17:00	02/01/24 15:50	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/30/24 17:00	02/01/24 15:50	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/30/24 17:00	02/01/24 15:50	1
Magnesium	<0.20		0.20	0.049	mg/L		01/30/24 17:00	02/01/24 15:50	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/30/24 17:00	02/01/24 15:50	1
Potassium	<0.50		0.50	0.11	mg/L		01/30/24 17:00	02/01/24 15:50	1
Sodium	<0.20		0.20	0.077	mg/L		01/30/24 17:00	02/01/24 15:50	1

Lab Sample ID: MB 500-752046/1-A
Matrix: Water
Analysis Batch: 752984

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 752046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/30/24 17:00	02/06/24 17:37	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/30/24 17:00	02/06/24 17:37	1
Boron	<0.050		0.050	0.013	mg/L		01/30/24 17:00	02/06/24 17:37	1
Calcium	<0.20		0.20	0.044	mg/L		01/30/24 17:00	02/06/24 17:37	1
Selenium	<0.0025	^1+	0.0025	0.00098	mg/L		01/30/24 17:00	02/06/24 17:37	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/30/24 17:00	02/06/24 17:37	1

Lab Sample ID: LCS 500-752046/2-A
Matrix: Water
Analysis Batch: 752468

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752046

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0944		mg/L		94	80 - 120
Barium	0.500	0.488		mg/L		98	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.476		mg/L		95	80 - 120
Lead	0.100	0.0922		mg/L		92	80 - 120
Magnesium	10.0	9.19		mg/L		92	80 - 120
Molybdenum	1.00	0.951		mg/L		95	80 - 120
Potassium	10.0	9.23		mg/L		92	80 - 120
Sodium	10.0	9.20		mg/L		92	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

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

Lab Sample ID: LCS 500-752046/2-A
Matrix: Water
Analysis Batch: 752984

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752046

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.534	^1+	mg/L		107	80 - 120
Beryllium	0.0500	0.0502		mg/L		100	80 - 120
Boron	1.00	0.944		mg/L		94	80 - 120
Calcium	10.0	8.60		mg/L		86	80 - 120
Selenium	0.100	0.102	^1+	mg/L		102	80 - 120
Thallium	0.100	0.0962		mg/L		96	80 - 120

Lab Sample ID: MB 500-752130/1-A
Matrix: Water
Analysis Batch: 752468

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 752130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/31/24 08:07	02/01/24 17:31	1
Barium	<0.0025		0.0025	0.00073	mg/L		01/31/24 08:07	02/01/24 17:31	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/31/24 08:07	02/01/24 17:31	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/31/24 08:07	02/01/24 17:31	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/31/24 08:07	02/01/24 17:31	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/31/24 08:07	02/01/24 17:31	1
Magnesium	<0.20		0.20	0.049	mg/L		01/31/24 08:07	02/01/24 17:31	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/31/24 08:07	02/01/24 17:31	1
Potassium	<0.50		0.50	0.11	mg/L		01/31/24 08:07	02/01/24 17:31	1
Sodium	0.169	J	0.20	0.077	mg/L		01/31/24 08:07	02/01/24 17:31	1

Lab Sample ID: MB 500-752130/1-A
Matrix: Water
Analysis Batch: 752984

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 752130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030	0.0013	mg/L		01/31/24 08:07	02/06/24 18:39	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/31/24 08:07	02/06/24 18:39	1
Boron	0.0176	J	0.050	0.013	mg/L		01/31/24 08:07	02/06/24 18:39	1
Calcium	<0.20		0.20	0.044	mg/L		01/31/24 08:07	02/06/24 18:39	1
Selenium	<0.0025	^1+	0.0025	0.00098	mg/L		01/31/24 08:07	02/06/24 18:39	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/31/24 08:07	02/06/24 18:39	1

Lab Sample ID: LCS 500-752130/2-A
Matrix: Water
Analysis Batch: 752468

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0996		mg/L		100	80 - 120
Barium	0.500	0.465		mg/L		93	80 - 120
Cadmium	0.0500	0.0495		mg/L		99	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.473		mg/L		95	80 - 120
Lead	0.100	0.0893		mg/L		89	80 - 120
Magnesium	10.0	8.80		mg/L		88	80 - 120
Molybdenum	1.00	0.936		mg/L		94	80 - 120
Potassium	10.0	9.01		mg/L		90	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

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

Lab Sample ID: LCS 500-752130/2-A
Matrix: Water
Analysis Batch: 752468

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.0	8.92		mg/L		89	80 - 120

Lab Sample ID: LCS 500-752130/2-A
Matrix: Water
Analysis Batch: 752984

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 752130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.522	^1+	mg/L		104	80 - 120
Beryllium	0.0500	0.0519		mg/L		104	80 - 120
Boron	1.00	0.914		mg/L		91	80 - 120
Calcium	10.0	8.33		mg/L		83	80 - 120
Selenium	0.100	0.100	^1+	mg/L		100	80 - 120
Thallium	0.100	0.0966		mg/L		97	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-752474/12-A
Matrix: Water
Analysis Batch: 752687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/02/24 09:55	02/05/24 08:15	1

Lab Sample ID: LCS 500-752474/13-A
Matrix: Water
Analysis Batch: 752687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00202		mg/L		101	80 - 120

Lab Sample ID: MB 500-752693/12-A
Matrix: Water
Analysis Batch: 752861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 752693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		02/05/24 10:45	02/06/24 08:36	1

Lab Sample ID: LCS 500-752693/13-A
Matrix: Water
Analysis Batch: 752861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 752693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00224		mg/L		112	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-752307/3

Matrix: Water

Analysis Batch: 752307

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.140	J	1.0	0.12	mg/L			02/01/24 11:00	1
Sulfate	<1.0		1.0	0.21	mg/L			02/01/24 11:00	1

Lab Sample ID: LCS 500-752307/4

Matrix: Water

Analysis Batch: 752307

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	21.8		mg/L		109	90 - 110
Sulfate	20.0	20.9		mg/L		105	90 - 110

Lab Sample ID: MB 500-752534/3

Matrix: Water

Analysis Batch: 752534

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			02/03/24 11:20	1
Sulfate	<1.0		1.0	0.21	mg/L			02/03/24 11:20	1

Lab Sample ID: LCS 500-752534/4

Matrix: Water

Analysis Batch: 752534

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	20.2		mg/L		101	90 - 110
Sulfate	20.0	19.9		mg/L		99	90 - 110

Lab Sample ID: MB 500-752833/3

Matrix: Water

Analysis Batch: 752833

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			02/06/24 11:49	1
Sulfate	<1.0		1.0	0.21	mg/L			02/06/24 11:49	1

Lab Sample ID: LCS 500-752833/4

Matrix: Water

Analysis Batch: 752833

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	20.5		mg/L		102	90 - 110
Sulfate	20.0	20.0		mg/L		100	90 - 110

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-751763/28
Matrix: Water
Analysis Batch: 751763

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			01/26/24 20:23	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			01/26/24 20:23	1

Lab Sample ID: LCS 500-751763/29
Matrix: Water
Analysis Batch: 751763

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	90 - 110

Lab Sample ID: MB 500-753214/3
Matrix: Water
Analysis Batch: 753214

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	13.6		5.0	3.7	mg/L			02/02/24 09:56	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			02/02/24 09:56	1

Lab Sample ID: LCS 500-753214/4
Matrix: Water
Analysis Batch: 753214

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	90 - 110

Lab Sample ID: MB 500-753401/3
Matrix: Water
Analysis Batch: 753401

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			02/08/24 10:58	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			02/08/24 10:58	1

Lab Sample ID: MB 500-753401/53
Matrix: Water
Analysis Batch: 753401

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	6.31		5.0	3.7	mg/L			02/08/24 17:42	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			02/08/24 17:42	1

Lab Sample ID: LCS 500-753401/29
Matrix: Water
Analysis Batch: 753401

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	90 - 110

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-753401/4
Matrix: Water
Analysis Batch: 753401

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	90 - 110

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

Lab Sample ID: MB 500-751719/1
Matrix: Water
Analysis Batch: 751719

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			01/29/24 01:47	1

Lab Sample ID: LCS 500-751719/2
Matrix: Water
Analysis Batch: 751719

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

Lab Sample ID: MB 500-751720/1
Matrix: Water
Analysis Batch: 751720

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			01/29/24 02:54	1

Lab Sample ID: LCS 500-751720/2
Matrix: Water
Analysis Batch: 751720

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: 500-245277-22 DU
Matrix: Water
Analysis Batch: 751720

Client Sample ID: HEN_52
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	580		594		mg/L		3	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-753484/3
Matrix: Water
Analysis Batch: 753484

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			02/09/24 10:43	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-753484/31
Matrix: Water
Analysis Batch: 753484

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			02/09/24 12:56	1

Lab Sample ID: LCS 500-753484/32
Matrix: Water
Analysis Batch: 753484

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	9.90		mg/L		99	90 - 119

Lab Sample ID: LCS 500-753484/4
Matrix: Water
Analysis Batch: 753484

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	9.96		mg/L		100	90 - 119

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_12

Date Collected: 01/24/24 11:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:14
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:00
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 15:25
Total/NA	Prep	7470A			752474	MJG	EET CHI	02/02/24 09:55 - 02/02/24 11:55 ¹
Total/NA	Analysis	7470A		1	752687	MJG	EET CHI	02/05/24 09:21
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 13:05
Total/NA	Analysis	SM 2320B		1	751763	SO	EET CHI	01/26/24 19:33
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:28
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:07
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 11:55

Client Sample ID: HEN_13

Date Collected: 01/24/24 12:41

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:18
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:03
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 15:29
Total/NA	Prep	7470A			752474	MJG	EET CHI	02/02/24 09:55 - 02/02/24 11:55 ¹
Total/NA	Analysis	7470A		1	752687	MJG	EET CHI	02/05/24 09:23
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 13:21
Total/NA	Analysis	SM 2320B		1	751763	SO	EET CHI	01/26/24 19:42
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:30
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:11
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 12:41

Client Sample ID: HEN_16

Date Collected: 01/24/24 10:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:22
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:07
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:08

Eurofins Chicago

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_16

Date Collected: 01/24/24 10:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 15:38
Total/NA	Prep	7470A			752474	MJG	EET CHI	02/02/24 09:55 - 02/02/24 11:55 ¹
Total/NA	Analysis	7470A		1	752687	MJG	EET CHI	02/05/24 09:25
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 13:37
Total/NA	Analysis	SM 2320B		1	751763	SO	EET CHI	01/26/24 19:55
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:33
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:16
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 10:55

Client Sample ID: HEN_16_FD

Date Collected: 01/24/24 10:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:26
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:10
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:11
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 15:41
Total/NA	Prep	7470A			752474	MJG	EET CHI	02/02/24 09:55 - 02/02/24 11:55 ¹
Total/NA	Analysis	7470A		1	752687	MJG	EET CHI	02/05/24 09:27
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 13:52
Total/NA	Analysis	SM 2320B		1	751763	SO	EET CHI	01/26/24 20:04
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:36
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:20
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 10:55

Client Sample ID: HEN_17

Date Collected: 01/24/24 11:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:30
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:14
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:15
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 15:45

Eurofins Chicago

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_17

Date Collected: 01/24/24 11:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 08:40
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 14:39
Total/NA	Analysis	SM 2320B		1	751763	SO	EET CHI	01/26/24 20:13
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:38
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:25
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 11:55

Client Sample ID: HEN_46

Date Collected: 01/24/24 13:10

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:47
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:27
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:25
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 08:44
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 15:10
Total/NA	Analysis	SM 2320B		1	753214	SO	EET CHI	02/02/24 10:37
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:43
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:44
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 13:10

Client Sample ID: HEN_47

Date Collected: 01/24/24 14:30

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752276	BDE	EET CHI	02/01/24 08:27 - 02/01/24 14:27 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 15:51
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:31
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:29
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 08:46
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 15:26
Total/NA	Analysis	SM 2320B		1	753214	SO	EET CHI	02/02/24 10:47
Total/NA	Analysis	SM 2540C		1	751719	CLB	EET CHI	01/29/24 02:46

Eurofins Chicago

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_47

Date Collected: 01/24/24 14:30

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-20

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	753484	SO	EET CHI	02/09/24 11:49
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 14:30

Client Sample ID: HEN_52

Date Collected: 01/24/24 10:25

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			751596	BDE	EET CHI	01/26/24 08:57 - 01/26/24 13:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	751952	SJ	EET CHI	01/29/24 15:27
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:38
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:42
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 08:50
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 15:57
Total/NA	Analysis	SM 2320B		1	753214	SO	EET CHI	02/02/24 11:05
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:06
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 11:58
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 10:25

Client Sample ID: HEN_54

Date Collected: 01/24/24 13:57

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			751596	BDE	EET CHI	01/26/24 08:57 - 01/26/24 13:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	751952	SJ	EET CHI	01/29/24 15:32
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752304	RN	EET CHI	01/31/24 21:41
Total Recoverable	Prep	3005A			751964	BDE	EET CHI	01/30/24 09:37 - 01/30/24 15:37 ¹
Total Recoverable	Analysis	6020B		1	752646	RN	EET CHI	02/02/24 16:46
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 08:53
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 16:13
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 17:19
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:12
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 12:03
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 13:57

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_54_FD

Date Collected: 01/24/24 13:57

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			751596	BDE	EET CHI	01/26/24 08:57 - 01/26/24 13:57 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	751952	SJ	EET CHI	01/29/24 15:36
Total Recoverable	Prep	3005A			752046	MC	EET CHI	01/30/24 17:00 - 01/30/24 23:00 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 16:16
Total Recoverable	Prep	3005A			752046	MC	EET CHI	01/30/24 17:00 - 01/30/24 23:00 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 17:41
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 08:59
Total/NA	Analysis	300.0		5	752307	NMB	EET CHI	02/01/24 16:28
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 17:29
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:14
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 12:07
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/24/24 13:57

Client Sample ID: HEN_08&D

Date Collected: 01/25/24 13:05

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752277	BDE	EET CHI	02/01/24 08:29 - 02/01/24 14:29 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 12:06
Total Recoverable	Prep	3005A			752046	MC	EET CHI	01/30/24 17:00 - 01/30/24 23:00 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 16:50
Total Recoverable	Prep	3005A			752046	MC	EET CHI	01/30/24 17:00 - 01/30/24 23:00 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 18:05
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 09:14
Total/NA	Analysis	300.0		5	752534	W1T	EET CHI	02/03/24 15:07
Total/NA	Analysis	300.0		20	752833	W1T	EET CHI	02/06/24 13:50
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 11:47
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:30
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 12:46
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/25/24 13:05

Client Sample ID: HEN_XPW01_PORE

Date Collected: 01/25/24 08:45

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752277	BDE	EET CHI	02/01/24 08:29 - 02/01/24 14:29 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 12:31
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 17:59

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Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW01_PORE

Lab Sample ID: 500-245277-36

Date Collected: 01/25/24 08:45

Matrix: Water

Date Received: 01/26/24 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 19:10
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	753282	RN	EET CHI	02/08/24 11:53
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 09:27
Total/NA	Analysis	300.0		5	752534	W1T	EET CHI	02/03/24 16:08
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 12:36
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:43
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 13:20
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/25/24 08:45

Client Sample ID: HEN_XPW02_PORE

Lab Sample ID: 500-245277-37

Date Collected: 01/25/24 09:30

Matrix: Water

Date Received: 01/26/24 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752277	BDE	EET CHI	02/01/24 08:29 - 02/01/24 14:29 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 12:36
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 18:09
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 19:14
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	753282	RN	EET CHI	02/08/24 11:57
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 09:29
Total/NA	Analysis	300.0		5	752534	W1T	EET CHI	02/03/24 16:23
Total/NA	Analysis	300.0		20	752833	W1T	EET CHI	02/06/24 15:36
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 12:45
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:45
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 13:36
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/25/24 09:30

Client Sample ID: HEN_XPW03_PORE

Lab Sample ID: 500-245277-38

Date Collected: 01/25/24 10:30

Matrix: Water

Date Received: 01/26/24 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752277	BDE	EET CHI	02/01/24 08:29 - 02/01/24 14:29 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 12:40
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 18:13

Eurofins Chicago

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_XPW03_PORE

Date Collected: 01/25/24 10:30

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 19:17
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	753282	RN	EET CHI	02/08/24 12:01
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 09:31
Total/NA	Analysis	300.0		5	752534	W1T	EET CHI	02/03/24 16:38
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 12:56
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:48
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 13:42
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/25/24 10:30

Client Sample ID: HEN_07

Date Collected: 01/26/24 08:50

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752277	BDE	EET CHI	02/01/24 08:29 - 02/01/24 14:29 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 12:44
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 18:16
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 19:21
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 09:33
Total/NA	Analysis	300.0		5	752534	W1T	EET CHI	02/03/24 17:24
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 13:07
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:50
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 13:48
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/26/24 08:50

Client Sample ID: HEN_08

Date Collected: 01/26/24 08:20

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			752277	BDE	EET CHI	02/01/24 08:29 - 02/01/24 14:29 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	752818	SJ	EET CHI	02/05/24 12:48
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752468	RN	EET CHI	02/01/24 18:20
Total Recoverable	Prep	3005A			752130	BDE	EET CHI	01/31/24 08:07 - 01/31/24 14:07 ¹
Total Recoverable	Analysis	6020B		1	752984	RN	EET CHI	02/06/24 19:24
Total/NA	Prep	7470A			752693	MJG	EET CHI	02/05/24 10:45 - 02/05/24 12:45 ¹
Total/NA	Analysis	7470A		1	752861	MJG	EET CHI	02/06/24 09:35

Eurofins Chicago

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

Client Sample ID: HEN_08

Date Collected: 01/26/24 08:20

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		5	752534	W1T	EET CHI	02/03/24 17:39
Total/NA	Analysis	SM 2320B		1	753401	SO	EET CHI	02/08/24 13:16
Total/NA	Analysis	SM 2540C		1	751720	CLB	EET CHI	01/29/24 03:53
Total/NA	Analysis	SM 4500 F C		1	753484	SO	EET CHI	02/09/24 13:53
Total/NA	Analysis	Field Sampling		1	753002	DN	EET CHI	01/26/24 08:20

Client Sample ID: HEN_55

Date Collected: 01/22/24 10:45

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	753107	DN	EET CHI	01/22/24 10:45

Client Sample ID: HEN_XSG01

Date Collected: 01/22/24 13:55

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	753107	DN	EET CHI	01/22/24 13:55

Client Sample ID: HEN_YSG_ILRIVER

Date Collected: 01/22/24 14:20

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	753107	DN	EET CHI	01/22/24 14:20

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: HEN-24Q1

ATTACHMENT B.
Q1-24 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-12
SDG: HEN_845_803

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	04-29-24
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
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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Company: Vistra Corp-Hennepin		Report To: Brian Voelker		Attention: Dave McCoy				
Address: 13498 E 800th St		Copy To: Jason Stuckey Jason.Stuckey@vistracorp.com Sam Davies samantha.davies@vistracorp.com		Company Name: A3 Environmental		REGULATORY AGENCY		
Hennepin, IL 61327				Address: 3030 Warrenville Rd , Suite 418		NPDES GROUND WATER DRINKING WATER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Warrenville, IL 60532		UST RCRA OTHER		
Phone (217) 753-8911	Fax:	Project Name		Project Manager		Site Location		
Requested Due Date/TAT: 10 day		Project Number: 50022619		Profile #:		STATE IL		

ITEM #	Section D Required Client Information	SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRAINING 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	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		HEN-257-801	HEN-257-802	HEN-257-803	HEN-257-804	HEN-811-801	HEN-845-802-805			HEN-845-803	HEN-845-804	HEN-WPCP-EAST	HEN-WPCP-WEST	HEN_000_RAD	HEN_000
																				X	A		SHORT HOLDS - NO2									
																				X	B		SHORT HOLDS - NO2									
																					E		SHORT HOLDS - NO2									
																					E		SHORT HOLDS - NO2									
																				X X	B		SHORT HOLDS - NO2									
																				X X X	C		SHORT HOLDS NO2									
																				X X X	C		SHORT HOLDS - NO2									
																					D		SHORT HOLDS - NO2									
																				X	F		SHORT HOLDS - NO2									
																				X	F		SHORT HOLDS - NO2									
																				X	G											
																				X	G											
																					B		SHORT HOLDS - NO2									
																				X	B		SHORT HOLDS - NO2									
																				X	H		MS/MSD									
																				X	H											
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																		
HEN-24Q1 Rev 2		Allison Beckett A3E		1/24/24		0700				1/24/24		1005																				
		M.D. Ellison		1/24/24		1220																										

TEMP = 2.6 → 2.1, 3.7 → 3.2,
1.8 → 2.3

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		HENNEPIN COUNTY Page: 2 HEN-845-803																
Company: Vislra Corp-Hennepin		Report To: Brian Voelker		Attention: Dave McCoy		<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td>IL</td> <td></td> </tr> <tr> <td>STATE:</td> <td></td> <td></td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:		
REGULATORY AGENCY																						
NPDES	GROUND WATER	DRINKING WATER																				
UST	RCRA	OTHER																				
Site Location	IL																					
STATE:																						
Address: 13498 E 800th St Hennepin, IL 61327		Copy To: Jason Stuckey Jason.Stuckey@vislra.com Sam Davies samantha.davies@vislra.com		Company Name: A3 Environmental																		
Email To: Brian.Voelker@VislraCorp.com				Address: 3030 Warrenville Rd , Suite 418 Warrenville, IL 60532																		
Purchase Order No.		Project Name:		Project Manager																		
Phone: (217) 753-8911 Fax:		Project Number: 50022619		Profile #:																		
Requested Due Date/TAT: 10 day																						

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								Y/N	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		Analysis Test ↓	HEN-257-801	HEN-257-802	HEN-257-803	HEN-257-804	HEN-811-801	HEN-845-802-805	HEN-845-803	HEN-845-804	HEN-WPCP-EAST			HEN-WPCP-WEST	HEN_000_RAD	HEN_000
3	HEN-22&D	WT G	1/23/24	1500	8	✓	✓								X				X		X	X	H									
	HEN-23														X				X		X	X	H									
	HEN-25														X								J		DTW ONLY							
	HEN-26														X								J		DTW ONLY							
4	HEN-27	WT G	1/23/24	1045	8	✓	✓								X				X		X	X	H									
	HEN-30														X								J		DTW ONLY							
	HEN-31														X								J		DTW ONLY							
5	HEN-32	WT G	1/23/24	0030	8	✓	✓								X				X		X	X	H									
	HEN-33														X								J		DTW ONLY							
6	HEN-34	WT G	1/23/24	1150	8	✓	✓								X				X		X	X	H									
7/8	HEN-35	WT G	1/23/24	1340	8	✓	✓								X				X		X	X	H		DUPE							
	HEN-36														X								J		DTW ONLY							
	HEN-40S														X								E		SHORT HOLDS - NO2							
	HEN-45S															X				X		B			SHORT HOLDS - NO2							
	HEN-46														X				X		G											
	HEN-47														X				X		G											
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																					
HEN-24Q1 Rev 2			Allison Beckett AZE.		1/24/24	0700	R.D. Ellison		1/24/24	1205																						
			R.D. Ellison		1/24/24	1224	R.D. Ellison		1/24/24	1220																						
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. Allison Beckett																																
SIGNATURE of SAMPLER. Beckett										DATE Signed (MM/DD/YY) 1/23/24																						

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: Section B Required Project Information: Section C Invoice Information: Page 3 of 3

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

Page 65 of 109

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845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND

✓ HEN-845-803

Page 1 of 3



Project No./ Lab I D.

Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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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:

Section B

Required Project Information

Section C

Invoice Information

Company: Vistra Corp-Hennepin		Report To: Brian Voelker		Attention: Dave McCoy				
Address: 13498 E 800th St		Copy To: Jason Stuckey Jason.Stuckey@visracorp.com Sam Davies samantha.davies@visracorp.com		Company Name: A3 Environmental		REGULATORY AGENCY		
Hennepin, IL 61327				Address: 3030 Warrenville Rd , Suite 418		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No:		Warrenville, IL 60532				
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:		Site Location		
Requested Due Date/TAT: 10 day		Project Number: 50022619		Profile #:		STATE		IL

[illegible]

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)				
ALISON BELFLETT Belflett					

CHAIN-OF-CUSTODY / Analytical Request Document

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

CHAIN-OF-CUSTODY / Analytical Request Document

4.4+4.1, 3.8+3.3, 3.1+2.6,
3.2+2.7, 4.9+4.4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information	
Company	Vistra Corp-Hennepin	Report To	Brian Veilker	Attention:	Dave McCoy
Address	13498 E 800th St	Copy To	Jason Stuckey Jason Stuckey@vistracorp.com	Company Name	A3 Environmental
Email To	Brian Veilker@VistraCorp.com	Purchase Order No.		Address	3030 Warrenville Rd, Suite 418
Phone	(217) 753-8911	Project Name		Project Manager	
Requested Due Date/AT	10 day	Project Number	50022619	Profile #	
Valid Matrix Codes		MATRIX CODE (see valid codes to left)	MATRIX TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	
Required Client Information		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		# OF CONTAINERS	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Unpreserved	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		H ₂ SO ₄	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HNO ₃	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HCl	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		NaOH	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Na ₂ S ₂ O ₃	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Methanol	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Other	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Analysis Test	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-257-801	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-257-802	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-257-803	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-257-804	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-845-801	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-845-802-805	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-845-803	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-845-804	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-WPCP-EAST	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN-WPCP-WEST	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN_000_RAD	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		HEN_000	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Residual Chlorine (Y/N)	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Project No./Lab I.D.	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Requested Analysis Filtered (Y/N)	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		STATE	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		Site Location	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		UST	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		RCRA	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		OTHER	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		GROUND WATER	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		DRINKING WATER	
Valid Matrix Codes		Sample IDs MUST BE UNIQUE (A-Z 0-9 /)		REGULATORY AGENCY	

500-245277

Company: Vista Corp-Hennepin		Report To: Brian Voelker		Attention: Dave McCoy	
Address: 13498 E 800th St		Copy To: Jason Stuckey jason.stuckey@vistracorp.com		Company Name: A3 Environmental	
Email To: Brian.Voelker@VistaCorp.com		Purchase Order No.		Address: 3030 Warrenville Rd, Suite 418	
Phone: (217) 753-8911		Project Name		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 50022619		Profile #:	

REGULATORY AGENCY		NPDES		GROUND WATER		DRINKING WATER		OTHER	
Site Location		STATE		IL					

Section A Required Client Information:		Section B Required Project Information		Section C Invoice Information	
Valid Matrix Codes MATRIX CODE (see valid codes to left)		SAMPLE TYPE (G=GRAB C=COMP)		DATE	
Sample IDs MUST BE UNIQUE (A-Z, 0-9 /)		DATE		TIME	
COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	
Unpreserved		H ₂ SO ₄		HNO ₃	
HCl		NaOH		Na ₂ S ₂ O ₃	
Methanol		Other		Analysis Test 1	
Preservatives		Y/N		Requested Analysis Filtered (Y/N)	
HEN-228D		HEN-23		HEN-25	
HEN-26		HEN-27		HEN-30	
HEN-31		HEN-32		HEN-33	
HEN-34		HEN-35		HEN-36	
HEN-40#S		WT 12/25/24 1415		1122 N	
HEN-45#S		WT 12/25/24 1145		1522 N	
HEN-46					
HEN-47					
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	
TIME		ACCEP BY / AFFILIATION		DATE	
TIME		SAMPLE CONDITIONS		Temp in °C	
Samples Intact (Y/N)		Custody Sealed Cooler (Y/N)		Received on Ice (Y/N)	
DATE Signed (MM/DD/YY)		PRINT Name of SAMPLER		SIGNATURE of SAMPLER	
DATE Signed (MM/DD/YY)		DATE Signed (MM/DD/YY)		DATE Signed (MM/DD/YY)	

Page 2 of 3

500-245277

500-245277

500-245277

500-245277

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-245277-12

SDG Number: HEN_845_803

Login Number: 245277

List Number: 1

Creator: Scott, Sherri L

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	2.1,3.2,2.3,3.9,5.2,5.1,4.4,4.1,3.3,2.6,2.7,4.4
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	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION										
Site: Hennepin	Client: Vistra									
Project Number: 2024-0054	Task #: AB/LF	Start Date: 1-25-24	Time: 1115							
Field Personnel:		Finish Date: 1/25/24	Time: 1225							
WELL INFORMATION				EVENT TYPE						
Well ID: Hen-03R	Well Development	Low-Flow / Low Stress Sampling Other (Specify): Low Flow								
Transducer Serial #: 21615140	Well Volume Approach Sampling									
WATER QUALITY INDICATOR PARAMETERS (continued)										
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (us/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Purge	1115		35.85	3%	+1	3%	10%	10%	+10	11/60ddy
	1120		35.85	15.0	7.34	878	1.56	16.746	66.8	
	1125		35.85	14.7	7.34	876	1.60	67.70	64.7	
	1130		35.85	14.4	7.33	876	1.51	31.53	58.8	
	1135		35.85	14.4	7.33	876	1.41	73.47	55.5	
	1140		35.89	14.6	7.33	877	1.39	16.80	50.0	
	1145		35.89	14.7	7.32	876	1.35	18.50	49.7	
	1150		35.89	15.1	7.32	877	1.29	12.46	49.1	
	1155		35.90	15.0	7.32	877	1.33	13.38	49.0	
	1200		35.90	15.0	7.31	877	1.26	11.98	47.3	
	1205		35.90	15.0	7.31	877	1.27	10.04	46.6	
	1210		35.91	15.0	7.31	877	1.28	8.97	46.5	
	1215	56AL	35.9	15.0	7.31	877	1.28	8.98	46.6	
NOTES (continued)										
Timed out at 1 hr. Sample at 1215										
Dupe Sample at 1225										
15 Bottles 15 Dupe Bottles Had to Run Pump at a Higher Pressure to Get Water to Pump, 125/150 PSI										
ABBREVIATIONS										
Cond - Actual Conductivity FT BTDC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units										

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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vistra
Project Number: Task #: 2024.0054 Start Date: 1/25/24 Time: 1430
Field Personnel: AB/JF Finish Date: 1/25/24 Time: 1010

WELL INFORMATION

Well ID: HEN-051R
Transducer Serial #: N/A
Well Development: Well Volume Approach Sampling
EVENT TYPE: 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)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
purge	1440	0	41.00	41.00	3%	+1	852	0.88	10%	+10	clear
purge	1511	1	41.00	41.00	14.6	7.70	851	1.08	40.48	124.8	"
	1516	2	41.00	41.00	14.7	7.70	851	0.85	39.70	121.0	"
	1521	2	41.00	41.00	14.9	7.69	853	0.83	25.99	114.4	"
	1526		41.00	41.00	14.9	7.69	852	1.13	14.91	116.2	"
	1531		41.00	41.00	15.0	7.69	854	1.03	12.91	104.7	murky
	1536		41.00	41.00	15.1	7.69	856	0.94	11.80	104.0	"
	1541	3.5	41.00	41.00	15.1	7.69	857	1.02	5.21	161.4	"
	1546		41.00	41.00	15.2	7.69	851	0.96	8.54	100.0	"
	1550		41.00	41.00	15.2	7.69			4.55	98.7	

NOTES (continued)

Sampled @ 1550

*bladder

pumped air into YST, but

still stabilized

11 bottles

* took 30 min to get water out of wen (use high pressure)

PROJECT INFORMATION

25 30 35 40 45 50 55 60

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra									
Project Number: Task #: 2024-0054		Start Date: 1/20/24		Time: 0800							
Field Personnel: AB/LF		Finish Date: 1/20/24		Time: 0850							
WELL INFORMATION											
Well ID: HEN-02		Well Development		EVENT TYPE							
Transducer Serial #: 21015139		Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (milli)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
pre	800	0	68.7		3%	+1	1025	4.66	2.37	+10	
purge	805		68.7		9.9	6.99	1037	4.40	3.97	144.2	
	810		68.7		10.1	6.97	1037	4.40	3.97	141.3	
	815		68.7		10.1	6.97	1035	4.35	1.03	140.3	
	820		68.7		10.1	6.97	1034	4.35	1.07	138.7	
	825		68.7		10.1	6.97	1034	4.33	1.82	137.8	
	830		68.7		10.1	6.97	1029	4.33	3.26	137.8	
	835		68.7		10.0	6.97	1026	4.23	8.70	136.8	
	840		68.7		10.0	6.97	1027	4.30	6.80	139.7	
	845		68.7		10.0	6.97	1030	4.33	6.45	141.7	
	850		68.7		10.0	6.97	1026	4.30	5.90	143.4	
NOTES (continued)											
sampled @ 0850											
ABBREVIATIONS											
Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductivity FT 100C - Feet Below Top of Casing in Conductance SU - Standard Units											

15 bottles

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PROJECT INFORMATION

sampled @ 0820

16 bottles

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra									
Project Number: Task #: 2024.0054		Start Date: 11/25/24		Time: 12:15							
Field Personnel: AB/JF		Finish Date: 11/25/24		Time: 1325							
WELL INFORMATION				EVENT TYPE							
Well ID: HEN_080D				Well Development				Low-Flow / Low Stress Sampling Other (Specify): Low Flow			
Transducer Serial #: 21015598				Well Volume Approach Sampling							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity	
0 PRE	1223	0	54.09	3%	+1	3%	10%	10%	+10	clear	
5 Purge	1225		54.09	10.8	7.21	1799	9.32	5.04	104.6		
10	1230		54.09	11.9	6.77	2244	3.98	2.97	102.7		
15	1235	1	54.09	12.4	6.71	2343	4.94	5.01	95.0		
20	1240		54.09	12.4	6.70	2390	0.90	5.18	91.2		
25	1245		54.09	12.5	6.69	2396	0.72	5.06	89.4		
30	1250		54.09	12.4	6.69	2396	0.50	5.23	87.5		
35	1255		54.09	12.4	6.69	2393	0.51	5.04	86.8		
40	1300	2.5	54.09	12.5	6.69	2389	0.50	4.40	86.7		
NOTES (continued)											
10 bottles											
air is being pumped through YSI from bladder, but still stabilized											
Sampled @ 1305											
Unpres. sulf. acid Hyd. acid 800. Hyd Nitric											
ABBREVIATIONS											
Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											

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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin

Client: Vistra

Project Number: 2024-0054

Task #: AB/LF

Start Date: 1/24/24

Time: 1510

Field Personnel: AB/LF

Finish Date: 1/24/24

Time: 1600

WELL INFORMATION

Well ID: Hen-10

Transducer Serial #: N/A

EVENT TYPE

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)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Pre 1510			50.71		3%	+1.1	950	10%	10%	+10	Clear
Purge 1515			50.71		14.2	7.17	945	3.52	.52	179.6	
1520			50.71		13.5	7.16	945	3.85	.55	176.6	
1525			50.71		13.8	7.15	945	4.01	.83	172.7	
1530			50.71		14.0	7.15	943	4.05	.83	172.7	
1535			50.71		14.1	7.15	944	3.97	.75	176.2	
1540			50.71		14.1	7.15	945	3.93	.69	176.2	
1545			50.71		14.3	7.16	944	3.93	.66	176.5	
1550			50.71		14.3	7.15	944	3.89	.59	176.9	
1555			50.71		14.3	7.15	945	3.82	.58	177.9	
1600			50.71	45A1	14.3	7.15	946	3.81	.56	178.0	

NOTES (continued)

Sample at 1600

13 Bottles

Sulfuric Acid
Nitric Acid
Sodium Hydrox.
Sulfuric Acid
Hydrochloric Acid

ABBREVIATIONS

Cond. - Actual Conductivity
FT BTCC - Feet Below Top of Casing in -
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units

[illegible]

Sampled @ 1155

air being pumped through bladder, but still stabilized	Cond. A FIBRO
--	------------------

13 bottles

Nitric
Sulfuric
Sooty Hyd

[illegible]

Sulfuric
Nitric
80d. Hyd.

[illegible]

12 bottles

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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin	Client: Vistra										
Project Number: 2024-054	Task #: LF/AB	Start Date: 1/24/24	Time: 1110								
Field Personnel: LF/AB	Finish Date: 1/24/24	Time: 1155									
WELL INFORMATION			EVENT TYPE								
Well ID: Hen-17	Well Development: Well Volume Approach Sampling	Low-Flow / Low Stress Sampling Other									
Casing ID: 2/615500	(Specify) Low Flow										
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
Pre	1110		58.90		3%	+1	1107	10%	10%	+10	1/201
1110			58.90		14.3	6.96	1107	3.09	5.76	127.9	
1115			58.90		14.0	6.96	1114	3.02	2.47	128.7	
1120			58.90		14.0	6.96	1111	2.92	2.30	179.1	
1125			58.90		13.9	6.96	1112	2.94	1.69	131.2	
1130			58.90		14.1	6.97	1109	2.97	3.17	133.5	
1135			58.90		13.9	6.99	1091	3.56	2.34	135.6	
1140			58.90		14.1	6.97	1107	3.41	2.17	139.2	
1145			58.90		14.0	6.97	1110	3.38	2.46	141.3	
1150			58.90		14.1	6.97	1109	3.34	2.048	142.8	
1155		3.56	58.90		14.1	6.99	1110	3.32	2.49	142.7	
NOTES (continued)											
Bladder Pump / Clear / No Color / No odor											
ABBREVIATIONS											
COND - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductivity SU - Standard Units FT BTDC - Feet Below Top of Casing m -											

Sample @ 1155 / Air Bubbles in water Line & YSI

☐ ☐

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra		Start Date: 1/25/24		Time: 1355					
Project Number: 2024-0037		Task #: AB/LF		Finish Date: 1/25/24		Time: 1440					
Field Personnel: AB/LF											
WELL INFORMATION				EVENT TYPE							
Well ID: HEN-1801P				Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
Transducer Serial #: 21015009				Well Development Well Volume Approach Sampling							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Pre	1355		40.50		3%	+1	861	10%	10%	+10	
Purge	1355		40.50		13.6	7.29	859	1.22	25.28	36.6	
	1400		40.50		14.1	7.29	859	1.14	31.24	37.5	
	1405		40.53		14.2	7.29	861	1.07	35.00	35.4	
	1410		40.53		14.2	7.29	859	1.10	42.82	22.7	
	1415		40.53		14.1	7.30	859	1.10	30.29	4.1	
	1420		40.54		14.1	7.30	858	1.05	29.60	-14.7	
	1425		40.54		14.3	7.29	857	1.02	34.29	-14.0	
	1430		40.54		14.5	7.29	858	1.02	29.22	-12.6	
	1435		40.55		14.5	7.29	856	.97	28.40	-11.7	
	1440	3.56gal	40.55		14.5	7.29	856	.95	28.20	-10.5	
NOTES (continued)											
Sample at 1440 15 Bottles											
ABBREVIATIONS											
Cond. - Actual Conductivity FT BIOC - Feet Below Top of Casing in - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											

15 Bottles

[illegible]

Sampled @ 1240

- * Well/bladder may be damaged
- ↳ Sending air through VCI, but was still stable

MS/MS

Sampled At 1520

PROJECT INFORMATION											
Site:	Hennepin	Client:	Vistra								
Project Number:	Task #:	Start Date:	Time:								
Field Personnel:	AB/LF	Finish Date:									
WELL INFORMATION				EVENT TYPE							
Well ID:	HEN-228D			Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
Transducer Serial #:	21504134										
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
PURGE	1430	0	1873		3%	+1	3%	10%	10%	+10	Clear
	1435		1833		11.1	7.47	1047	16.89	13.23	-73.1	"
	1440		1880		12.8	7.37	1072	2.42	21.70	-101.0	"
	1445	1	1880		12.8	7.37	1086	1.43	19.08	-119.1	"
	1450		1880		12.9	7.37	1080	1.29	18.10	-124.3	"
	1455		1880		12.8	7.37	1085	1.23	17.47	-128.5	"
	1500	2.5	1880		12.8	7.38	1083	1.24	17.22	-129.8	"
NOTES (continued)				ABBREVIATIONS							
Sampled @				Conc. - Actual Conductivity FT BTOC - Feet Below Top of casing in - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units							
* bladder/pump is sending air into											

0 5 10 15 20 25 30

Sampled @	1500	* bladder/pump is sending air into YSI, but is still stable
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1500

0 5 10 15 20 25 30 35

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra		Start Date: 11/23/24		Time: 0945					
Project Number: 2024.005		Task #: ABJ.F		Finish Date: 11/23/24		Time:					
Field Personnel:											
WELL INFORMATION				EVENT TYPE							
Well ID: HEN-27				Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
Transducer Serial #: 21015576				Well Development Well Volume Approach Sampling							
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
PRE	0949	0	3.76		9.1	7.37	1059	1.50	12.58	71.8	Clear
5	0950		3.77		9.5	7.26	1079	0.15	10.19	13.0	"
10	0955	0.15	3.77		9.7	7.25	1087	-0.17	09.90	-25.2	"
15	1000		3.77		9.7	7.25	1088	-0.21	70.71	-24.2	"
20	1005		3.77		9.7	7.25	1088	-0.26	40.75	-38.0	"
25	1010	1	3.77		9.7	7.25	1088	-0.29	45.85	-45.5	"
30	1015		3.77		9.7	7.25	1088	-0.30	32.37	-48.7	"
35	1020	1.5	3.77		9.8	7.25	1088	-0.31	24.54	-52.4	"
40	1025		3.77		9.8	7.25	1089	-0.32	16.42	-57.5	"
45	1030		3.77		9.9	7.25	1088	-0.32	18.51	-11.2	"
50	1035	2.5	3.77		9.8	7.25	1087	-0.33	18.22	-62.0	"
55	1040	2.5	3.77		9.7	7.25	1089	-0.30	18.13	-65.4	"
60	1045	3	3.77								
NOTES (continued)											
Sampled @ 1045 did not stabilize until last minute?											
ABBREVIATIONS											
Cond - Actual Conductivity F1B10C - Feet Below Top of Casing (m) ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION										
Site: Hennepin		Client: Vistra								
Project Number: 0023054 Task #: 2024.0054		Start Date: 1/23/24		Time: 0815						
Field Personnel: AB/LF		Finish Date: 1/23/24		Time: 0940						
WELL INFORMATION				EVENT TYPE						
Well ID: HEN-32				Low-Flow / Low Stress Sampling Other (Specify): Low Flow						
Transducer Serial #: 21015487				Well Development Well Volume Approach Sampling						
WATER QUALITY INDICATOR PARAMETERS (continued)										
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
PRE	0840	0.15	4.50	10.5	7.19	1012	1.43	140.00	178.0	murky
0100	0844		4.44	10.4	7.17	1011	0.08	87.20	170.7	murky
0105	0849	1	4.08	10.7	7.10	1000	0.33	72.78	172.0	
0115	0854		4.00	10.7	7.10	1001	0.07	54.83	145.9	
0120	0859	1.25	4.00	10.8	7.10	1002	0.01	47.03	103.0	
0125	0904		4.00	10.8	7.10	999	-0.04	37.19	159.8	
0130	0909	3	4.00	10.8	7.15	999	-0.05	30.09	158.3	
0135	0914		4.00	10.2	7.16	998	-0.03	29.80	153.0	
0140	0919		4.00	10.1	7.16	999	-0.08	30.01	157.5	
0145	0924		4.00	10.2	7.10	1001	-0.07	29.73	157.1	
0150	0929	4.5	4.00							
0155										
0200										
NOTES (continued)										
Sampled @ 0930										
ABBREVIATIONS										
Cond - Actual Conductivity PTBDC - Feet Below Top of Casing rd - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units										

PROJECT INFORMATION											
Site:	Hennepin	Client:	Vistra								
Project Number:	2024.0054	Task #:									
Field Personnel:	AB/LF	Start Date:	1/23/24	Time:	1115						
		Finish Date:	1/23/24	Time:	1200						
WELL INFORMATION			EVENT TYPE								
Well ID:	HEN-34	Well Development	Low-Flow / Low Stress Sampling Other (Specify): Low Flow								
Transducer Serial #:	21615509	Well Volume Approach Sampling									
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
	1123		4.05		3%	+1	3%	10%	10%	+10	clear
PURGE	1725		4.05		10.0	7.10	1256	0.27	13.47	-110.8	"
	1130		4.05		10.2	7.09	1280	-0.11	11.27	-129.2	"
	1135	1	4.05		10.4	7.09	1293	-0.22	17.18	-138.2	"
	1140		4.05		10.4	7.09	1303	-0.27	12.17	-145.0	"
	1145		4.05		10.4	7.09	1303	-0.28	11.09	-146.2	"
	1150	2	4.05		10.5	7.09	1304	-0.27	12.45	-148.3	"
NOTES (continued)			ABBREVIATIONS								
Sampled @ 1150			Cond - Actual Conductivity FT BTOC - Feet Below Top of Casing vs - Conductance SU - Standard Units								
			ORP - Oxidation-Reduction Potential SEC - Specific Electrical								

0 5 10 15 20 25 30 35 40 45 50 55 60 65

PROJECT INFORMATION											
Site: Hennepin	Client: Vistra	Start Date: 1/23/24	Time: 1305	Finish Date: 1/23/24	Time: 1357						
Project Number: 2024.0054	Task #: AB/LF										
Field Personnel:											
WELL INFORMATION		EVENT TYPE									
Well ID: HEN-35	Well Development		Low-Flow / Low Stress Sampling Other (Specify): Low Flow								
Transducer Serial #: 21015510	Well Volume Approach Sampling										
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
Purge	1310	0	7.90		3%	+1	3%	10%	10%	+10	Brown/oxid
	1315		7.90		11.3	7.13	796	0.54	39.42	40.8	"
	1320		7.91		11.3	7.11	806	0.08	13.75	36.1	"
	1325	1	7.92		11.4	7.11	818	-0.06	10.71	33.1	"
	1330		7.91		11.4	7.10	839	-0.13	7.49	30.7	"
	1335		7.90		11.4	7.10	842	-0.15	5.91	29.5	cloudy
	1340	2.5	7.90		11.5	7.10	856	-0.17	5.92	28.5	"
NOTES (continued)										ABBREVIATIONS	
Sampled @ 1340										Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical FT 810C - Feet Below Top of Casing na - Conductance SU - Standard Units	

Sampled @ 1340

done

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra									
Project Number: 2024.0854		Start Date: 1/24/24		Time: 12:25							
Field Personnel: AB/LF		Finish Date: 1/24/24		Time: 13:10							
WELL INFORMATION				EVENT TYPE							
Well ID: Hen-845				Well Development							
Transducer Serial #: 21015491				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)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Pre	1225		51.61		3%	+1	846	2.45	10%	+10	clear
Page	1225		51.61		14.2	7.35	846	2.45	1.33	136.7	↑
	1230		51.61		13.6	7.36	842	2.41	1.19	135.0	
	1235		51.61		14.5	7.36	849	2.37	1.06	131.4	
	1240		51.61		14.4	7.35	848	2.35	0.79	129.9	
	1245		51.61		14.5	7.35	849	2.33	0.90	128.3	
	1250		51.61		14.7	7.35	847	2.31	0.77	127.1	
	1255		51.61		14.4	7.35	847	2.29	0.70	124.5	
	1300		51.61		14.6	7.35	847	2.28	0.75	122.5	
	1305		51.61		14.6	7.35	848	2.26	0.72	120.0	
	1310	46pl	51.61		14.6	7.35	848	2.27	0.70	118.5	
NOTES (continued)										ABBREVIATIONS	
Sample @ 1310										Cond. - Actual Conductivity	
										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra									
Project Number: 2024-0054		Start Date: 1-24-25		Time: 1355							
Field Personnel: ABLF		Finish Date: 1/24/25		Time: 1430							
EVENT TYPE											
Well Development Well Volume Approach Sampling											
Well ID: HEN-47											
Transducer Serial #: 21015505											
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Pre	1355	0	57.82		3%	+1	957	10%	10%	+10	Clear
1355			57.82		16.4	7.13	957	2.57	2.21	140.3	
1400			57.82		16.4	7.12	957	2.61	1.14	141.6	
1405			57.82		16.7	7.11	958	2.61	0.64	136.4	
1410			57.82		16.8	7.11	959	2.61	0.94	134.9	
1415			57.82		16.6	7.11	959	2.57	0.54	130.6	
1420			57.82		17.0	7.11	960	2.50	0.53	128.3	
1425			57.82		16.7	7.11	960	2.52	0.50	126.9	
1430		4 Gall	57.82		16.7	7.11	959	2.55	0.48	127.9	
NOTES (continued)											
Sample at 1430											
6 Bottles											
ABBREVIATIONS											
Cond - Actual Conductivity F1 BTDC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin	Client: Vistra										
Project Number:	Task #: 1/23/24	Start Date: 1/23/24	Time: 1520								
Field Personnel: AB/LF	Finish Date: 1/23/24	Time: 1040									
WELL INFORMATION				EVENT TYPE							
Well ID: HEN-49	Well Development	Low-Flow / Low Stress Sampling Other (Specify): Low Flow									
Transducer Serial #: 21029307	Well Volume Approach Sampling										
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C)	pH (SU)	SEC or Cond. (us/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
0	1530	0	21.25		3%	+1	10.28	10%	10%	+10	clear
5	1538	0.25	21.25		11.6	7.21	10.04	2.128	73.75	40.0	"
10	1543	0.25	21.25		9.8	7.20	10.57	1.104	69.100	40.2	"
15	1548	0.25	21.25		8.7	7.18	10.32	1.88	86.14	40.10	"
20	1553	0.25	21.25		9.1	7.16	10.53	0.63	110.27	51.8	"
25	1558	1.5	21.25		12.9	7.14	10.53	0.19	73.88	48.4	"
30	1603	1.5	21.25		13.1	7.16	10.52	0.19	72.81	46.3	cloudy
35	1608	2	21.25		13.1	7.16	10.54	0.16	69.98	45.3	"
40			21.25		13.0	7.16	10.54	0.16	80.02	44.3	"
NOTES (continued)										ABBREVIATIONS	
Sampled @ 1610										Cond - Actual Conductivity FTB DC - Feet Below Top of Casing in - Conductance SU - Standard Units	
										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units	

PROJECT INFORMATION											
Site:	Hennepin	Client:	Vistra								
Project Number:	2024-2064	Task #:		Start Date:	1/23/24	Time:	1540				
Field Personnel:	AB/LF			Finish Date:	1/23/24	Time:	1030				
WELL INFORMATION				EVENT TYPE							
Well ID:	HEN-50			Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
Transducer Serial #:	21U15489										
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
Purge	1540		17.57		3%	+1	3%	10%	10%	+10	CLEAR
	1545		17.57		14.3	7.68	840	1.78	73.20	46.0	
	1550		17.52		13.7	7.60	895	1.42	83.70	50.1	
	1555		17.52		13.6	7.60	901	1.56	73.80	50.1 52.6	
	1600		17.52		13.7	7.60	910	1.48	69.23	54.7	
	1605		17.52		13.7	7.59	910	1.32	68.04	56.3	
	1610	3.5 GPH	17.52		13.7	7.59	910	1.32	67.40	57.5	
NOTES (continued)				ABBREVIATIONS							
				Cond - Actual Conductivity FT BTOC - Feet Below Top of Casing in - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units							

Sample Act 1610

Possible Diaphragm Problem, A Lot of air Bubbles in water line.

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra		Start Date: 1.24.24		Time: 8:20					
Project Number: 2024 000614 #		Finish Date: 1/24/24		Time: 900							
Field Personnel: AB/LF											
WELL INFORMATION				EVENT TYPE							
Well ID: HEN-51				Low-Flow / Low Stress Sampling Other (Specify): Low Flow							
Transducer Serial #: 21615008											
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Pre-Purge	820		17.81		9.5	7.36	1087	2.15	41.66	-106.7	Cloudy
	825		17.95		9.7	7.37	1091	1.37	41.69	-128.6	
	830		17.95		9.9	7.40	1094	0.39	110.07	-156.8	
	835		17.95		10.1	7.41	1094	0.17	133.17	-165.0	
	840		17.85		10.0	7.42	1094	0.04	135.14	-171.2	
	845		17.95		9.9	7.42	1094	0.01	125.14	-174.0	
	850		17.95		9.8	7.43	1093	-0.06	111.37	-176.4	
	855		17.95		9.8	7.43	1093	-0.06	110.73	-177.0	
	900		17.95	36AL	9.9	7.42	1094	-0.06	109.77	-178.2	
Sample at 900 8 bottles 8 bottles											
NOTES (continued)				ABBREVIATIONS							
				Cond - Actual Conductivity FT BTDC - Feet Below Top of Casing in - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units							

PROJECT INFORMATION											
Site:	Hennepin	Vista									
Project Number:	2024-0054 Task #:	Start Date:	1/24/24	Time:	1000						
Field Personnel:	AB/LF	Finish Date:	1/24/24	Time:	1025						
WELL INFORMATION											
Well ID:	HEN-52										
Transducer Serial #:	21615145										
		Well Development	Low Flow / Low Stress Sampling Other (Specify): Low Flow								
		Well Volume Approach Sampling									
EVENT TYPE											
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. °C	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
Purge	Pre 1000		53.95		3%	+1	3%	10%	10%	+10	Clear
	1005		53.95		13.4	7.17	962	4.60	15.12	92.9	
	1010		53.95		13.9	7.16	966	3.61	5.08	90.1	
	1015		53.95		13.9	7.16	966	3.61	3.75	89.8	
	1020		53.95		13.9	7.15	966	3.61	2.44	89.3	
	1025		53.95		13.9	7.15	966	3.61	2.01	89.7	
									1.97	89.8	
NOTES (continued)											
ABBREVIATIONS											
Cond - Actual Conductivity ORP - Oxidation-Reduction Potential SEC - Specific Electrical Resistance FT BTDC - Feet Below Top of Casing na - Standard Units											

Sample one at 1025

Sampling at 1025

PROJECT INFORMATION											
Site:	Hennepin	Client:	Vistra								
Project Number:	Task # 2024-0054	Start Date:	1/24/24	Time:	1315						
Field Personnel:	AB/LF	Finish Date:	1/24/24	Time:	1411						
WELL INFORMATION			EVENT TYPE								
Well ID:	HENL54	Well Development	Low-Flow / Low Stress Sampling Other (specify): Low Flow								
Transducer Serial #:	21015143	Well Volume Approach Sampling									
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mv)	Visual Clarity
PCE	1324	0	53.21		3%	+1	3%	10%	10%	+10	clear
duplicate	1325		53.20		13.4	7.53	814	6.78	5.12	75.3	"
	1335		53.20		14.1	7.36	869	2.22	7.19	58.7	"
	1340		53.21		14.2	7.36	869	1.94	7.43	53.3	"
	1345		53.20		14.3	7.36	870	1.84	6.59	48.7	"
	1350		53.20		14.4	7.35	871	1.68	5.55	44.3	"
	1355		53.20		14.4	7.35	873	1.05	4.28	39.8	"
NOTES (continued)						ABBREVIATIONS					
Sampled @ 1357 dupe!						Cond. - Actual Conductivity RT BDOC - Feet Below Top of Casing m. ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units					

Sampled @ 1357	dupe!	Cont. Actual Concentration FT BTDC - Feet Below
(12 bottles (inc. dupe))		

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vista									
Project Number: Task #: 2024.0054		Start Date: 1/25/24		Time: 0750							
Field Personnel: AB/LF		Finish Date: 1/25/24		Time: 0900							
WELL INFORMATION											
Well ID: HEN-XP001-Pore		Well Development		EVENT TYPE							
Transducer Serial #: N/A		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)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
PUR	0752		10.50		3%	+1	1080	0.53	10%	+10	Clear
Purge	0755		10.51		14.5	11.44	1080	0.53	5.75	-146.1	"
	0800	0.850	10.50		13.9	11.47	1081	0.10	4.30	-177.7	"
	0805		10.51		14.2	11.40	1082	-0.05	1.33	-213.0	"
	0810	1.25	10.52		14.1	11.47	1085	-0.07	12.11	-721.5	"
	0815		10.52		14.0	11.47	1090	-0.08	7.08	-229.2	"
	0820	2.0	10.52		14.1	11.47	1093	0.01	9.04	-233.5	"
	0825		10.52		14.2	11.47	1097	-0.07	12.40	-237.8	"
	0830	2.5	10.51		14.3	11.48	1104	-0.07	18.99	-251.5	"
	0835		10.52		13.9	11.49	1109	-0.18	11.22	-253.7	"
	0840		10.52		14.4	11.48	1116	-0.18	12.20	-257.5	"
	0845	3.0	10.52		14.4	11.48	1113	-0.18	11.89	-259.9	"
	0850										
	0855										
NOTES (continued)											
Sampled 0845											
* Water smelled like sulfur & had a sheen											
10 bottles											
no dedicated bladder											
* Used peristaltic pump											
6.08											
ABBREVIATIONS											
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											

PROJECT INFORMATION

WELL INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)

NOTES (continued)

u bottles

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION											
Site: Hennepin		Client: Vistra									
Project Number: Task # 2024.0054		Start Date: 1/25/24		Time: 0950							
Field Personnel: AB/LF		Finish Date: 1/25/24		Time: 1100							
WELL INFORMATION											
Well ID: HEN-XPW03-P012		Well Development		EVENT TYPE							
Transducer Serial #: N/A		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)	pH (SU)	SEC or Cond. (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
0 pre	0954	0	6.10		3%	+1	3%	10%	10%	+10	clear
5 purge	0956		6.27		11.3	11.95	1038	2.48	3.49	-52.1	"
10	1001		6.24		11.5	11.91	1597	0.87	1.31	-64.5	"
15	1006	1	6.25		11.5	11.92	1597	0.38	1.21	-74.9	"
20	1011		6.25		11.5	11.92	1594	0.20	1.16	-78.1	"
25	1016		6.25		11.4	11.93	1598	0.09	1.59	-82.3	"
30	1021		6.25		11.3	11.93	1598	0.09	1.13	-84.4	"
35	1026	2.5	6.25		11.4	11.93	1598	0.08	1.00	-85.7	"
NOTES (continued)										ABBREVIATIONS	
Sampled @ 1030										Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing m - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units	

*No dedicated bladder
used peristaltic

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: HEN

Event: HEN-24Q1 Rev 0

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
02	HEN_02	1/22/24	1222	44.93	DTB: 51.13	AB
04R	HEN_04R	1/22/24	1112	39.39	DTB: 45.43	AB
05DR	HEN_05&DR	1/22/24	1145	41.26	DTB: 71.29	AB
05R	HEN_05!R	1/22/24	1147	4.17	DTB: 48.79	AB
06	HEN_06	1/22/24	1002	22.54	DTB: 33.8	AB
10	HEN_10	1/22/24	1023	50.72	DTB: 51.45	AB
11	HEN_11	1/22/24	1028	50.95	DTB: 69.5	AB
15	HEN_15	1/22/24	1107	49.73	DTB: 52.81	AB
19D	HEN_19&D	1/22/24	1125	40.03	DTB: 65.44	AB
19S	HEN_19#S	1/22/24	1126	40.17	DTB: 42.57	AB
25	HEN_25	1/22/24	1527	15.62	DTB: 18.17	AB
26	HEN_26	1/22/24	1529	15.67	DTB: 27.32	AB
30	HEN_30	1/22/24	1544	6.25	DTB: 21.30	AB
31	HEN_31	1/22/24	1543	6.17	10.03: DTB	AB
33	HEN_33	1/22/24	1606	3.71	DTB: 38.16	AB
36	HEN_36	1/22/24	1430	15.70	DTB: 28.85	AB
40S	HEN_40#S	1/22/24	1133	40.49	DTB: 42.37	AB
45S	HEN_45#S	1/22/24	1015	20.24	DTB: 38.52	AB
48	HEN_48	1/22/24	1137	39.57	DTB: 45.13	AB
XPW01	HEN_XPW01_pore	1/22/24	1340	10.51	DTB: 19.73	AB
XPW02	HEN_XPW02_pore	1/22/24	1350	14.63	DTB: 21.73	AB
XPW03	HEN_XPW03_pore	1/22/24	1330	6.58	DTB: 22.04	AB
SG02	HEN_YSG_ILRIVER	1/22/24	1420	22.07	from higher elev. on bridge	AB
53	HEN_53	1/22/24	1345	55.67	U: 12/19/23 JRK DTB: 66.72	AB

go as we sample

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All DTB's on SAR-4 form may be collected at anytime during the sampling event.
Plant: HEN
Event: HEN-24Q1 Rev 0

24 hours!!

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 down-loaded?	Batt (H/M/L)		
03R	HEN_03R	1/22/24	1212	34.96	21615140	Y	447.38	Y	H	DTB: 46.93	AB
07	HEN_07	1/23/24	0720	68.78	21615139	Y	449.61	Y	H	DTB: 72.27	AB
08	HEN_08	1/22/24	1245	53.82	21615138	Y	447.54	Y	H	DTB: 53.96	AB
08D	HEN_08&D	1/22/24	1250	54.2	21615598	Y	447.21	Y	H	DTB: 84.13	AB
12	HEN_12	1/22/24	1052	51.34	21615520	Y	447.44	Y	H	DTB: 51.35	AB
13	HEN_13	1/22/24	1049	51.36	21615515	Y	447.44	Y	H	DTB: 51.91	AB
16	HEN_16	1/22/24	1315	54.38	21615534	Y	447.15	Y	H	DTB: 60.82	AB
17	HEN_17	1/22/24	1320	58.98	21615500	Y	448.39	Y	H	DTB: 61.79	AB
18D	HEN_18&D	1/22/24	1154	40.57	21615609	Y	447.41	Y	H	DTB: 72.47	AB
18S	HEN_18#S	1/22/24	1150	40.42	21615482	Y	447.38	Y	H	DTB: 42.87	AB
21R	HEN_21R	1/22/24	1440	15.48	21615613	Y	446.92	Y	H	DTB: 45.03	AB
22	HEN_22	1/22/24	1505	17.95	21615497	Y	446.82	Y	H	DTB: 27.35	AB
22D	HEN_22&D	1/22/24	1502	18.79	21564134	Y	446.92	Y	H	DTB: 53.45	AB
23	HEN_23	1/22/24	1450	16.68	21615600	Y	447.08	Y	H	DTB: 35.34	AB
27	HEN_27	1/22/24	1415	3.82	21615576	Y	446.98	Y	H	DTB: 29.95	AB
32	HEN_32	1/22/24	1550	4.64	21615487	Y	447.08	Y	H	DTB: 13.25	AB
34	HEN_34	1/22/24	1633	4.09	21615509	Y	445.9	Y	H	DTB: 30.23	AB
35	HEN_35	1/22/24	1535	7.97	21615510	Y	447.05	Y	H	DTB: 16.08	AB
46	HEN_46	1/22/24	1100	51.58	21615491	Y	446.75	Y	H	DTB: 59.39	AB
47	HEN_47	1/22/24	1030	55.84	21615505	Y	447.15	Y	H	DTB: 57.61	AB
49	HEN_49	1/22/24	1455	21.33	21629307	Y	447.08	Y	H	DTB: 38.59	AB
50	HEN_50	1/22/24	1410	17.54	21615489	Y	446.69	Y		DTB: 22.94	AB
51	HEN_51	1/22/24	1440	18.04	21615608	Y	447.08	Y	H	DTB: 58.25	AB
52	HEN_52	1/22/24	1228	53.98	21615145	Y	447.24	Y	H	DTB: 61.21	AB
54	HEN_54	1/22/24	1039	53.92	21615143	Y	447.18	Y	H	DTB: 68.29	AB
55	HEN_55	1/22/24	1045	51.55	21615612	Y	447.24	Y	H	DTB: 93.11	AB
XSG01	HEN_XSG01	1/22/24	1355	10.1	21768087	Y	483.63	Y	H	NO DTB	AB
SG02	HEN_YSG_ILRIVER	1/22/24	1420	22.87	21768088	Y	11.25	Y	H	NO DTB	AB

U: 12/19/23 JRK

ANALYTICAL REPORT

PREPARED FOR

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

Generated 02/22/24 15:37:07

JOB DESCRIPTION

HEN-24Q1
HEN_000_RAD

JOB NUMBER

500-245277-2

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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02/22/24 15:37:07

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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	8
Sample Summary	9
Client Sample Results	10
Definitions	44
QC Association	45
QC Sample Results	48
Chronicle	53
Certification Summary	62
Chain of Custody	63
Receipt Checklists	79
Tracer Carrier Summary	83



Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2

Client: Vistra Energy Corp
Project: HEN-24Q1

Job ID: 500-245277-2

Eurofins Chicago

Job Narrative 500-245277-2

Receipt

The samples were received on 01/24/24 12:20. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 2.1° C, 2.3° C, 2.6° C, 2.7° C, 3.2° C, 3.3° C, 3.9° C, 4.1° C, 4.4° C, 4.4° C, 5.1° C and 5.2° C.

RAD

Method 904.0: Radium-228 prep batch 160-645980:

The following samples have an RER (replicate error ratio) result outside of the acceptance criteria of 1 for 1.20. Duplicate precision is demonstrated by acceptable relative percent difference (RPD), within the limit of 40%. The data have been reported with this narrative. HEN_49_MSD (500-245277-9[MSD])

Method 904.0: Radium-228 prep batch 160-645980:

The following samples did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. HEN_21R (500-245277-1), HEN_49 (500-245277-9) and HEN_49_MS (500-245277-9[MS])

Method 904.0: Radium-228 prep batch 160-645980:

The matrix spike (MS) recoveries for preparation batch 160-645980 and analytical batch 160-647494 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 904.0: Radium-228 prep batch 160-646071:

The following samples did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. HEN_XPW01_PORE (500-245277-36)

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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_21R	Lab Sample ID: 500-245277-1
☐ No Detections.	
Client Sample ID: HEN_22	Lab Sample ID: 500-245277-2
☐ No Detections.	
Client Sample ID: HEN_22&D	Lab Sample ID: 500-245277-3
☐ No Detections.	
Client Sample ID: HEN_27	Lab Sample ID: 500-245277-4
☐ No Detections.	
Client Sample ID: HEN_32	Lab Sample ID: 500-245277-5
☐ No Detections.	
Client Sample ID: HEN_34	Lab Sample ID: 500-245277-6
☐ No Detections.	
Client Sample ID: HEN_35	Lab Sample ID: 500-245277-7
☐ No Detections.	
Client Sample ID: HEN_35_FD	Lab Sample ID: 500-245277-8
☐ No Detections.	
Client Sample ID: HEN_49	Lab Sample ID: 500-245277-9
☐ No Detections.	
Client Sample ID: HEN_50	Lab Sample ID: 500-245277-10
☐ No Detections.	
Client Sample ID: HEN_12	Lab Sample ID: 500-245277-13
☐ No Detections.	
Client Sample ID: HEN_13	Lab Sample ID: 500-245277-14
☐ No Detections.	
Client Sample ID: HEN_16	Lab Sample ID: 500-245277-15
☐ No Detections.	
Client Sample ID: HEN_16_FD	Lab Sample ID: 500-245277-16
☐ No Detections.	
Client Sample ID: HEN_17	Lab Sample ID: 500-245277-17
☐ No Detections.	
Client Sample ID: HEN_23	Lab Sample ID: 500-245277-18
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_46	Lab Sample ID: 500-245277-19
☐ No Detections.	
Client Sample ID: HEN_47	Lab Sample ID: 500-245277-20
☐ No Detections.	
Client Sample ID: HEN_51	Lab Sample ID: 500-245277-21
☐ No Detections.	
Client Sample ID: HEN_52	Lab Sample ID: 500-245277-22
☐ No Detections.	
Client Sample ID: HEN_54	Lab Sample ID: 500-245277-23
☐ No Detections.	
Client Sample ID: HEN_54_FD	Lab Sample ID: 500-245277-24
☐ No Detections.	
Client Sample ID: HEN_FB	Lab Sample ID: 500-245277-25
☐ No Detections.	
Client Sample ID: HEN_03R	Lab Sample ID: 500-245277-26
☐ No Detections.	
Client Sample ID: HEN_03R_FD	Lab Sample ID: 500-245277-27
☐ No Detections.	
Client Sample ID: HEN_08&D	Lab Sample ID: 500-245277-30
☐ No Detections.	
Client Sample ID: HEN_18#S	Lab Sample ID: 500-245277-32
☐ No Detections.	
Client Sample ID: HEN_18&D	Lab Sample ID: 500-245277-33
☐ No Detections.	
Client Sample ID: HEN_45#S	Lab Sample ID: 500-245277-35
☐ No Detections.	
Client Sample ID: HEN_XPW01_PORE	Lab Sample ID: 500-245277-36
☐ No Detections.	
Client Sample ID: HEN_XPW02_PORE	Lab Sample ID: 500-245277-37
☐ No Detections.	
Client Sample ID: HEN_XPW03_PORE	Lab Sample ID: 500-245277-38
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_07

Lab Sample ID: 500-245277-39

No Detections.

Client Sample ID: HEN_08

Lab Sample ID: 500-245277-40

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
JEN 1245908
SDG: HEN_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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-245277-1	HEN_21R	Water	01/23/24 12:40	01/24/24 12:20
500-245277-2	HEN_22	Water	01/23/24 15:20	01/24/24 12:20
500-245277-3	HEN_22&D	Water	01/23/24 15:00	01/24/24 12:20
500-245277-4	HEN_27	Water	01/23/24 10:45	01/24/24 12:20
500-245277-5	HEN_32	Water	01/23/24 09:30	01/24/24 12:20
500-245277-6	HEN_34	Water	01/23/24 11:50	01/24/24 12:20
500-245277-7	HEN_35	Water	01/23/24 13:40	01/24/24 12:20
500-245277-8	HEN_35_FD	Water	01/23/24 13:40	01/24/24 12:20
500-245277-9	HEN_49	Water	01/23/24 16:10	01/24/24 12:20
500-245277-10	HEN_50	Water	01/23/24 16:10	01/24/24 12:20
500-245277-13	HEN_12	Water	01/24/24 11:55	01/25/24 11:51
500-245277-14	HEN_13	Water	01/24/24 12:41	01/25/24 11:51
500-245277-15	HEN_16	Water	01/24/24 10:55	01/25/24 11:51
500-245277-16	HEN_16_FD	Water	01/24/24 10:55	01/25/24 11:51
500-245277-17	HEN_17	Water	01/24/24 11:55	01/25/24 11:51
500-245277-18	HEN_23	Water	01/24/24 08:35	01/25/24 11:51
500-245277-19	HEN_46	Water	01/24/24 13:10	01/25/24 11:51
500-245277-20	HEN_47	Water	01/24/24 14:30	01/25/24 11:51
500-245277-21	HEN_51	Water	01/24/24 09:00	01/25/24 11:51
500-245277-22	HEN_52	Water	01/24/24 10:25	01/25/24 11:51
500-245277-23	HEN_54	Water	01/24/24 13:57	01/25/24 11:51
500-245277-24	HEN_54_FD	Water	01/24/24 13:57	01/25/24 11:51
500-245277-25	HEN_FB	Water	01/24/24 16:10	01/25/24 11:51
500-245277-26	HEN_03R	Water	01/25/24 12:15	01/26/24 11:45
500-245277-27	HEN_03R_FD	Water	01/25/24 12:15	01/26/24 11:45
500-245277-30	HEN_08&D	Water	01/25/24 13:05	01/26/24 11:45
500-245277-32	HEN_18#S	Water	01/25/24 13:30	01/26/24 11:45
500-245277-33	HEN_18&D	Water	01/25/24 14:40	01/26/24 11:45
500-245277-35	HEN_45#S	Water	01/25/24 11:45	01/26/24 11:45
500-245277-36	HEN_XPW01_PORE	Water	01/25/24 08:45	01/26/24 11:45
500-245277-37	HEN_XPW02_PORE	Water	01/25/24 09:30	01/26/24 11:45
500-245277-38	HEN_XPW03_PORE	Water	01/25/24 10:30	01/26/24 11:45
500-245277-39	HEN_07	Water	01/26/24 08:50	01/26/24 11:45
500-245277-40	HEN_08	Water	01/26/24 08:20	01/26/24 11:45

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_21R

Lab Sample ID: 500-245277-1

Date Collected: 01/23/24 12:40

Matrix: Water

Date Received: 01/24/24 12:20

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	0.989		0.317	0.329	1.00	0.310	pCi/L	01/29/24 09:16	02/20/24 07:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	61.8		30 - 110					01/29/24 09:16	02/20/24 07:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.277	U F G	0.843	0.843	1.00	1.66	pCi/L	01/29/24 09:19	02/09/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	61.8		30 - 110					01/29/24 09:19	02/09/24 12:14	1
Y Carrier	84.1		30 - 110					01/29/24 09:19	02/09/24 12:14	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	0.989	U	0.901	0.905	5.00	1.66	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_22

Date Collected: 01/23/24 15:20

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.124		0.0805	0.0813	1.00	0.112	pCi/L	01/29/24 09:16	02/20/24 07:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					01/29/24 09:16	02/20/24 07:23	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	0.458	U F	0.411	0.413	1.00	0.654	pCi/L	01/29/24 09:19	02/09/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					01/29/24 09:19	02/09/24 12:15	1
Y Carrier	82.2		30 - 110					01/29/24 09:19	02/09/24 12:15	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	0.582	U	0.419	0.421	5.00	0.654	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_22&D

Lab Sample ID: 500-245277-3

Date Collected: 01/23/24 15:00

Matrix: Water

Date Received: 01/24/24 12:20

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	0.827		0.170	0.185	1.00	0.116	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					01/29/24 09:16	02/20/24 09:23	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	0.608	U F	0.422	0.425	1.00	0.629	pCi/L	01/29/24 09:19	02/09/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					01/29/24 09:19	02/09/24 12:15	1
Y Carrier	76.6		30 - 110					01/29/24 09:19	02/09/24 12:15	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	1.44		0.455	0.464	5.00	0.629	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_27

Date Collected: 01/23/24 10:45

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.138	U	0.115	0.116	1.00	0.174	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					01/29/24 09:16	02/20/24 09:23	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	-0.374	U F	0.459	0.460	1.00	0.965	pCi/L	01/29/24 09:19	02/09/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					01/29/24 09:19	02/09/24 12:15	1
Y Carrier	78.5		30 - 110					01/29/24 09:19	02/09/24 12:15	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	0.138	U	0.473	0.474	5.00	0.965	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_32

Date Collected: 01/23/24 09:30

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-5

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	0.0920	U	0.109	0.109	1.00	0.179	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		30 - 110					01/29/24 09:16	02/20/24 09:23	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	0.461	U F	0.537	0.539	1.00	0.883	pCi/L	01/29/24 09:19	02/09/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		30 - 110					01/29/24 09:19	02/09/24 12:15	1
Y Carrier	76.3		30 - 110					01/29/24 09:19	02/09/24 12:15	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	0.553	U	0.548	0.550	5.00	0.883	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_34

Lab Sample ID: 500-245277-6

Date Collected: 01/23/24 11:50

Matrix: Water

Date Received: 01/24/24 12:20

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	0.464		0.164	0.169	1.00	0.173	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					01/29/24 09:16	02/20/24 09:23	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	0.639	U F	0.561	0.564	1.00	0.883	pCi/L	01/29/24 09:19	02/09/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					01/29/24 09:19	02/09/24 12:16	1
Y Carrier	79.6		30 - 110					01/29/24 09:19	02/09/24 12:16	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	1.10		0.584	0.589	5.00	0.883	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_35

Date Collected: 01/23/24 13:40

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-7

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	0.0645	U	0.0696	0.0699	1.00	0.110	pCi/L	01/29/24 09:16	02/20/24 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.0		30 - 110					01/29/24 09:16	02/20/24 09:24	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	0.397	U F	0.451	0.453	1.00	0.738	pCi/L	01/29/24 09:19	02/09/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.0		30 - 110					01/29/24 09:19	02/09/24 12:16	1
Y Carrier	71.0		30 - 110					01/29/24 09:19	02/09/24 12:16	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	0.461	U	0.456	0.458	5.00	0.738	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_35_FD

Lab Sample ID: 500-245277-8

Date Collected: 01/23/24 13:40

Matrix: Water

Date Received: 01/24/24 12:20

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	0.0863	U	0.0740	0.0744	1.00	0.110	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/29/24 09:16	02/20/24 09:23	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	0.298	U F	0.363	0.364	1.00	0.601	pCi/L	01/29/24 09:19	02/09/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/29/24 09:19	02/09/24 12:16	1
Y Carrier	78.9		30 - 110					01/29/24 09:19	02/09/24 12:16	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	0.384	U	0.370	0.372	5.00	0.601	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_49

Lab Sample ID: 500-245277-9

Date Collected: 01/23/24 16:10

Matrix: Water

Date Received: 01/24/24 12:20

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	0.352		0.168	0.171	1.00	0.191	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	55.0		30 - 110					01/29/24 09:16	02/20/24 09:23	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	0.595	U G F	0.693	0.696	1.00	1.14	pCi/L	01/29/24 09:19	02/09/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	55.0		30 - 110					01/29/24 09:19	02/09/24 12:17	1
Y Carrier	80.0		30 - 110					01/29/24 09:19	02/09/24 12:17	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	0.947	U	0.713	0.717	5.00	1.14	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_50

Lab Sample ID: 500-245277-10

Date Collected: 01/23/24 16:10

Matrix: Water

Date Received: 01/24/24 12:20

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	0.426		0.124	0.130	1.00	0.105	pCi/L	01/29/24 09:16	02/20/24 09:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					01/29/24 09:16	02/20/24 09:23	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	0.348	U F	0.442	0.443	1.00	0.734	pCi/L	01/29/24 09:19	02/09/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					01/29/24 09:19	02/09/24 12:26	1
Y Carrier	75.1		30 - 110					01/29/24 09:19	02/09/24 12:26	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	0.774		0.459	0.462	5.00	0.734	pCi/L		02/21/24 16:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_12

Lab Sample ID: 500-245277-13

Date Collected: 01/24/24 11:55

Matrix: Water

Date Received: 01/25/24 11:51

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	0.0457	U	0.0554	0.0555	1.00	0.0908	pCi/L	01/29/24 09:04	02/20/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					01/29/24 09:04	02/20/24 09:20	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	0.268	U	0.282	0.284	1.00	0.457	pCi/L	01/29/24 09:08	02/07/24 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					01/29/24 09:08	02/07/24 11:32	1
Y Carrier	81.5		30 - 110					01/29/24 09:08	02/07/24 11:32	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	0.313	U	0.287	0.289	5.00	0.457	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_13

Lab Sample ID: 500-245277-14

Date Collected: 01/24/24 12:41

Matrix: Water

Date Received: 01/25/24 11:51

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	0.104		0.0697	0.0703	1.00	0.0944	pCi/L	01/29/24 09:04	02/20/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					01/29/24 09:04	02/20/24 09:20	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	0.574		0.358	0.362	1.00	0.529	pCi/L	01/29/24 09:08	02/07/24 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					01/29/24 09:08	02/07/24 11:32	1
Y Carrier	84.9		30 - 110					01/29/24 09:08	02/07/24 11:32	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	0.678		0.365	0.369	5.00	0.529	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_16

Lab Sample ID: 500-245277-15

Date Collected: 01/24/24 10:55

Matrix: Water

Date Received: 01/25/24 11:51

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	0.0833	U	0.0633	0.0638	1.00	0.0898	pCi/L	01/29/24 09:04	02/20/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					01/29/24 09:04	02/20/24 09:20	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	0.114	U	0.256	0.256	1.00	0.449	pCi/L	01/29/24 09:08	02/07/24 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					01/29/24 09:08	02/07/24 11:32	1
Y Carrier	86.7		30 - 110					01/29/24 09:08	02/07/24 11:32	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	0.198	U	0.264	0.264	5.00	0.449	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_16_FD

Lab Sample ID: 500-245277-16

Date Collected: 01/24/24 10:55

Matrix: Water

Date Received: 01/25/24 11:51

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	0.0787		0.0575	0.0580	1.00	0.0773	pCi/L	01/29/24 09:04	02/20/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					01/29/24 09:04	02/20/24 09:21	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	0.188	U	0.258	0.258	1.00	0.433	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	85.2		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.266	U	0.264	0.264	5.00	0.433	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_17

Lab Sample ID: 500-245277-17

Date Collected: 01/24/24 11:55

Matrix: Water

Date Received: 01/25/24 11:51

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	0.132		0.0702	0.0712	1.00	0.0794	pCi/L	01/29/24 09:04	02/20/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					01/29/24 09:04	02/20/24 09:21	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	0.308	0.310	1.00	0.468	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	84.5		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.544		0.316	0.318	5.00	0.468	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_23

Date Collected: 01/24/24 08:35

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0602	U	0.0554	0.0556	1.00	0.0815	pCi/L	01/29/24 09:04	02/20/24 09:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/29/24 09:04	02/20/24 09:22	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	-0.0436	U	0.286	0.286	1.00	0.547	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	87.1		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.0602	U	0.291	0.291	5.00	0.547	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_46

Lab Sample ID: 500-245277-19

Date Collected: 01/24/24 13:10

Matrix: Water

Date Received: 01/25/24 11:51

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	0.151		0.0719	0.0732	1.00	0.0751	pCi/L	01/29/24 09:04	02/20/24 09:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					01/29/24 09:04	02/20/24 09:22	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	0.469	U	0.367	0.370	1.00	0.572	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	81.1		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.620		0.374	0.377	5.00	0.572	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_47

Lab Sample ID: 500-245277-20

Date Collected: 01/24/24 14:30

Matrix: Water

Date Received: 01/25/24 11:51

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	0.0710	U	0.0615	0.0618	1.00	0.0920	pCi/L	01/29/24 09:04	02/20/24 09:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					01/29/24 09:04	02/20/24 09:22	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	0.268	U	0.262	0.263	1.00	0.419	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	85.6		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.339	U	0.269	0.270	5.00	0.419	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_51

Lab Sample ID: 500-245277-21

Date Collected: 01/24/24 09:00

Matrix: Water

Date Received: 01/25/24 11:51

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	1.06		0.260	0.277	1.00	0.175	pCi/L	01/29/24 09:04	02/20/24 09:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					01/29/24 09:04	02/20/24 09:22	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	0.871	U	0.640	0.645	1.00	0.962	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	81.1		30 - 110					01/29/24 09:08	02/07/24 11:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.93		0.691	0.702	5.00	0.962	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_52

Lab Sample ID: 500-245277-22

Date Collected: 01/24/24 10:25

Matrix: Water

Date Received: 01/25/24 11:51

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	0.106		0.0746	0.0752	1.00	0.104	pCi/L	01/29/24 09:04	02/20/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					01/29/24 09:04	02/20/24 09:32	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	0.272	U	0.273	0.274	1.00	0.438	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	85.2		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.378	U	0.283	0.284	5.00	0.438	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_54

Lab Sample ID: 500-245277-23

Date Collected: 01/24/24 13:57

Matrix: Water

Date Received: 01/25/24 11:51

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	0.0984		0.0664	0.0670	1.00	0.0903	pCi/L	01/29/24 09:04	02/20/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					01/29/24 09:04	02/20/24 09:32	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	0.280	U	0.322	0.323	1.00	0.528	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	75.9		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.379	U	0.329	0.330	5.00	0.528	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_54_FD

Lab Sample ID: 500-245277-24

Date Collected: 01/24/24 13:57

Matrix: Water

Date Received: 01/25/24 11:51

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	0.0507	U	0.0696	0.0697	1.00	0.117	pCi/L	01/29/24 09:04	02/20/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					01/29/24 09:04	02/20/24 09:32	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	0.430	U	0.356	0.358	1.00	0.554	pCi/L	01/29/24 09:08	02/07/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					01/29/24 09:08	02/07/24 11:31	1
Y Carrier	80.4		30 - 110					01/29/24 09:08	02/07/24 11:31	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	0.480	U	0.363	0.365	5.00	0.554	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_FB

Lab Sample ID: 500-245277-25

Date Collected: 01/24/24 16:10

Matrix: Water

Date Received: 01/25/24 11:51

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	-0.0193	U	0.0668	0.0668	1.00	0.137	pCi/L	01/29/24 09:04	02/20/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					01/29/24 09:04	02/20/24 09:32	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	0.562		0.330	0.334	1.00	0.474	pCi/L	01/29/24 09:08	02/07/24 11:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					01/29/24 09:08	02/07/24 11:30	1
Y Carrier	84.9		30 - 110					01/29/24 09:08	02/07/24 11:30	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.562		0.337	0.341	5.00	0.474	pCi/L		02/21/24 16:02	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R

Lab Sample ID: 500-245277-26

Date Collected: 01/25/24 12:15

Matrix: Water

Date Received: 01/26/24 11:45

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	0.154		0.0965	0.0975	1.00	0.134	pCi/L	01/30/24 10:07	02/21/24 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					01/30/24 10:07	02/21/24 09:37	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	0.165	U	0.274	0.274	1.00	0.468	pCi/L	01/30/24 10:19	02/12/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					01/30/24 10:19	02/12/24 12:10	1
Y Carrier	87.5		30 - 110					01/30/24 10:19	02/12/24 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	0.319	U	0.290	0.291	5.00	0.468	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R_FD

Lab Sample ID: 500-245277-27

Date Collected: 01/25/24 12:15

Matrix: Water

Date Received: 01/26/24 11:45

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	0.0358	U	0.0550	0.0551	1.00	0.0950	pCi/L	01/30/24 10:07	02/21/24 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					01/30/24 10:07	02/21/24 09:37	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	0.0519	U	0.248	0.248	1.00	0.451	pCi/L	01/30/24 10:19	02/12/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					01/30/24 10:19	02/12/24 12:10	1
Y Carrier	90.8		30 - 110					01/30/24 10:19	02/12/24 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	0.0877	U	0.254	0.254	5.00	0.451	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_08&D

Lab Sample ID: 500-245277-30

Date Collected: 01/25/24 13:05

Matrix: Water

Date Received: 01/26/24 11:45

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	0.175		0.0968	0.0981	1.00	0.122	pCi/L	01/30/24 10:07	02/21/24 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/30/24 10:07	02/21/24 09:37	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	0.214	U	0.305	0.306	1.00	0.513	pCi/L	01/30/24 10:19	02/12/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/30/24 10:19	02/12/24 12:10	1
Y Carrier	93.8		30 - 110					01/30/24 10:19	02/12/24 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	0.389	U	0.320	0.321	5.00	0.513	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_18#S

Lab Sample ID: 500-245277-32

Date Collected: 01/25/24 13:30

Matrix: Water

Date Received: 01/26/24 11:45

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	0.00865	U	0.0545	0.0545	1.00	0.109	pCi/L	01/30/24 10:07	02/21/24 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					01/30/24 10:07	02/21/24 09:37	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	0.753		0.402	0.408	1.00	0.567	pCi/L	01/30/24 10:19	02/12/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					01/30/24 10:19	02/12/24 12:10	1
Y Carrier	81.5		30 - 110					01/30/24 10:19	02/12/24 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	0.761		0.406	0.412	5.00	0.567	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_18&D

Lab Sample ID: 500-245277-33

Date Collected: 01/25/24 14:40

Matrix: Water

Date Received: 01/26/24 11:45

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	0.207		0.139	0.141	1.00	0.203	pCi/L	01/30/24 10:07	02/21/24 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					01/30/24 10:07	02/21/24 09:37	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	0.679	U	0.473	0.477	1.00	0.713	pCi/L	01/30/24 10:19	02/12/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					01/30/24 10:19	02/12/24 12:09	1
Y Carrier	84.9		30 - 110					01/30/24 10:19	02/12/24 12:09	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	0.886		0.493	0.497	5.00	0.713	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_45#S

Lab Sample ID: 500-245277-35

Date Collected: 01/25/24 11:45

Matrix: Water

Date Received: 01/26/24 11:45

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	0.211		0.143	0.145	1.00	0.206	pCi/L	01/30/24 10:07	02/21/24 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					01/30/24 10:07	02/21/24 09:37	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	0.610	U	0.455	0.458	1.00	0.693	pCi/L	01/30/24 10:19	02/12/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					01/30/24 10:19	02/12/24 12:09	1
Y Carrier	89.7		30 - 110					01/30/24 10:19	02/12/24 12:09	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	0.821		0.477	0.480	5.00	0.693	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_XPW01_PORE

Lab Sample ID: 500-245277-36

Date Collected: 01/25/24 08:45

Matrix: Water

Date Received: 01/26/24 11:45

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	0.00893	U	0.187	0.187	1.00	0.371	pCi/L	01/30/24 10:07	02/21/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	34.1		30 - 110					01/30/24 10:07	02/21/24 09:32	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	1.21	U G	1.14	1.14	1.00	1.80	pCi/L	01/30/24 10:19	02/12/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	34.1		30 - 110					01/30/24 10:19	02/12/24 12:09	1
Y Carrier	83.4		30 - 110					01/30/24 10:19	02/12/24 12:09	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	1.21	U	1.16	1.16	5.00	1.80	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_XPW02_PORE

Lab Sample ID: 500-245277-37

Date Collected: 01/25/24 09:30

Matrix: Water

Date Received: 01/26/24 11:45

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	0.0873	U	0.0721	0.0725	1.00	0.106	pCi/L	01/30/24 10:07	02/21/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					01/30/24 10:07	02/21/24 09:32	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	1.39		0.449	0.467	1.00	0.525	pCi/L	01/30/24 10:19	02/12/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					01/30/24 10:19	02/12/24 12:09	1
Y Carrier	84.1		30 - 110					01/30/24 10:19	02/12/24 12:09	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	1.48		0.455	0.473	5.00	0.525	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_XPW03_PORE

Lab Sample ID: 500-245277-38

Date Collected: 01/25/24 10:30

Matrix: Water

Date Received: 01/26/24 11:45

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	0.00643	U	0.0495	0.0495	1.00	0.0997	pCi/L	01/30/24 10:07	02/21/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					01/30/24 10:07	02/21/24 09:32	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	0.473	U	0.350	0.353	1.00	0.536	pCi/L	01/30/24 10:19	02/12/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					01/30/24 10:19	02/12/24 12:09	1
Y Carrier	84.5		30 - 110					01/30/24 10:19	02/12/24 12:09	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	0.480	U	0.353	0.356	5.00	0.536	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_07

Lab Sample ID: 500-245277-39

Date Collected: 01/26/24 08:50

Matrix: Water

Date Received: 01/26/24 11:45

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	0.241		0.0927	0.0952	1.00	0.0943	pCi/L	01/30/24 10:07	02/21/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		30 - 110					01/30/24 10:07	02/21/24 09:32	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	0.706		0.356	0.362	1.00	0.494	pCi/L	01/30/24 10:19	02/12/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		30 - 110					01/30/24 10:19	02/12/24 12:08	1
Y Carrier	81.9		30 - 110					01/30/24 10:19	02/12/24 12:08	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	0.947		0.368	0.374	5.00	0.494	pCi/L		02/22/24 13:59	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_08

Lab Sample ID: 500-245277-40

Date Collected: 01/26/24 08:20

Matrix: Water

Date Received: 01/26/24 11:45

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	0.455		0.130	0.136	1.00	0.121	pCi/L	01/30/24 10:07	02/21/24 18:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/30/24 10:07	02/21/24 18:16	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	0.953		0.382	0.392	1.00	0.479	pCi/L	01/30/24 10:19	02/12/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/30/24 10:19	02/12/24 12:08	1
Y Carrier	87.5		30 - 110					01/30/24 10:19	02/12/24 12:08	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		0.404	0.415	5.00	0.479	pCi/L		02/22/24 13:59	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
JEN-1945808
SDG: HEN_000_RAD

Qualifiers

Rad

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
F1	MS and/or MSD recovery exceeds control limits.
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: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Rad

Prep Batch: 645975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	PrecSep-21	
500-245277-14	HEN_13	Total/NA	Water	PrecSep-21	
500-245277-15	HEN_16	Total/NA	Water	PrecSep-21	
500-245277-16	HEN_16_FD	Total/NA	Water	PrecSep-21	
500-245277-17	HEN_17	Total/NA	Water	PrecSep-21	
500-245277-18	HEN_23	Total/NA	Water	PrecSep-21	
500-245277-19	HEN_46	Total/NA	Water	PrecSep-21	
500-245277-20	HEN_47	Total/NA	Water	PrecSep-21	
500-245277-21	HEN_51	Total/NA	Water	PrecSep-21	
500-245277-22	HEN_52	Total/NA	Water	PrecSep-21	
500-245277-23	HEN_54	Total/NA	Water	PrecSep-21	
500-245277-24	HEN_54_FD	Total/NA	Water	PrecSep-21	
500-245277-25	HEN_FB	Total/NA	Water	PrecSep-21	
MB 160-645975/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-645975/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 645976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-13	HEN_12	Total/NA	Water	PrecSep_0	
500-245277-14	HEN_13	Total/NA	Water	PrecSep_0	
500-245277-15	HEN_16	Total/NA	Water	PrecSep_0	
500-245277-16	HEN_16_FD	Total/NA	Water	PrecSep_0	
500-245277-17	HEN_17	Total/NA	Water	PrecSep_0	
500-245277-18	HEN_23	Total/NA	Water	PrecSep_0	
500-245277-19	HEN_46	Total/NA	Water	PrecSep_0	
500-245277-20	HEN_47	Total/NA	Water	PrecSep_0	
500-245277-21	HEN_51	Total/NA	Water	PrecSep_0	
500-245277-22	HEN_52	Total/NA	Water	PrecSep_0	
500-245277-23	HEN_54	Total/NA	Water	PrecSep_0	
500-245277-24	HEN_54_FD	Total/NA	Water	PrecSep_0	
500-245277-25	HEN_FB	Total/NA	Water	PrecSep_0	
MB 160-645976/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-645976/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 645979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-1	HEN_21R	Total/NA	Water	PrecSep-21	
500-245277-2	HEN_22	Total/NA	Water	PrecSep-21	
500-245277-3	HEN_22&D	Total/NA	Water	PrecSep-21	
500-245277-4	HEN_27	Total/NA	Water	PrecSep-21	
500-245277-5	HEN_32	Total/NA	Water	PrecSep-21	
500-245277-6	HEN_34	Total/NA	Water	PrecSep-21	
500-245277-7	HEN_35	Total/NA	Water	PrecSep-21	
500-245277-8	HEN_35_FD	Total/NA	Water	PrecSep-21	
500-245277-9	HEN_49	Total/NA	Water	PrecSep-21	
500-245277-10	HEN_50	Total/NA	Water	PrecSep-21	
MB 160-645979/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-645979/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-245277-1 MS	HEN_21R_MS	Total/NA	Water	PrecSep-21	
500-245277-1 MSD	HEN_21R_MSD	Total/NA	Water	PrecSep-21	
500-245277-9 MS	HEN_49_MS	Total/NA	Water	PrecSep-21	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Rad (Continued)

Prep Batch: 645979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-9 MSD	HEN_49_MSD	Total/NA	Water	PrecSep-21	

Prep Batch: 645980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-1	HEN_21R	Total/NA	Water	PrecSep_0	
500-245277-2	HEN_22	Total/NA	Water	PrecSep_0	
500-245277-3	HEN_22&D	Total/NA	Water	PrecSep_0	
500-245277-4	HEN_27	Total/NA	Water	PrecSep_0	
500-245277-5	HEN_32	Total/NA	Water	PrecSep_0	
500-245277-6	HEN_34	Total/NA	Water	PrecSep_0	
500-245277-7	HEN_35	Total/NA	Water	PrecSep_0	
500-245277-8	HEN_35_FD	Total/NA	Water	PrecSep_0	
500-245277-9	HEN_49	Total/NA	Water	PrecSep_0	
500-245277-10	HEN_50	Total/NA	Water	PrecSep_0	
MB 160-645980/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-645980/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-245277-1 MS	HEN_21R_MS	Total/NA	Water	PrecSep_0	
500-245277-1 MSD	HEN_21R_MSD	Total/NA	Water	PrecSep_0	
500-245277-9 MS	HEN_49_MS	Total/NA	Water	PrecSep_0	
500-245277-9 MSD	HEN_49_MSD	Total/NA	Water	PrecSep_0	

Prep Batch: 646070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-26	HEN_03R	Total/NA	Water	PrecSep-21	
500-245277-27	HEN_03R_FD	Total/NA	Water	PrecSep-21	
500-245277-30	HEN_08&D	Total/NA	Water	PrecSep-21	
500-245277-32	HEN_18#S	Total/NA	Water	PrecSep-21	
500-245277-33	HEN_18&D	Total/NA	Water	PrecSep-21	
500-245277-35	HEN_45#S	Total/NA	Water	PrecSep-21	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	PrecSep-21	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	PrecSep-21	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	PrecSep-21	
500-245277-39	HEN_07	Total/NA	Water	PrecSep-21	
500-245277-40	HEN_08	Total/NA	Water	PrecSep-21	
MB 160-646070/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646070/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 646071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245277-26	HEN_03R	Total/NA	Water	PrecSep_0	
500-245277-27	HEN_03R_FD	Total/NA	Water	PrecSep_0	
500-245277-30	HEN_08&D	Total/NA	Water	PrecSep_0	
500-245277-32	HEN_18#S	Total/NA	Water	PrecSep_0	
500-245277-33	HEN_18&D	Total/NA	Water	PrecSep_0	
500-245277-35	HEN_45#S	Total/NA	Water	PrecSep_0	
500-245277-36	HEN_XPW01_PORE	Total/NA	Water	PrecSep_0	
500-245277-37	HEN_XPW02_PORE	Total/NA	Water	PrecSep_0	
500-245277-38	HEN_XPW03_PORE	Total/NA	Water	PrecSep_0	
500-245277-39	HEN_07	Total/NA	Water	PrecSep_0	
500-245277-40	HEN_08	Total/NA	Water	PrecSep_0	
MB 160-646071/1-A	Method Blank	Total/NA	Water	PrecSep_0	

Eurofins Chicago

QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
SDG: HEN_000_RAD

Rad (Continued)

Prep Batch: 646071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-646071/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

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

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-645975/1-A
Matrix: Water
Analysis Batch: 648921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 645975

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.001936	U	0.0429	0.0429	1.00	0.0908	pCi/L	01/29/24 09:04	02/20/24 09:19	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110					01/29/24 09:04	02/20/24 09:19	1

Lab Sample ID: LCS 160-645975/2-A
Matrix: Water
Analysis Batch: 648921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 645975

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	11.19		1.14	1.00	0.104	pCi/L	99	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	96.9		30 - 110							

Lab Sample ID: MB 160-645979/1-A
Matrix: Water
Analysis Batch: 648923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 645979

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04712	U	0.0692	0.0693	1.00	0.118	pCi/L	01/29/24 09:16	02/20/24 07:30	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.7		30 - 110					01/29/24 09:16	02/20/24 07:30	1

Lab Sample ID: LCS 160-645979/2-A
Matrix: Water
Analysis Batch: 648923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 645979

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	11.03		1.14	1.00	0.0951	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	93.4		30 - 110							

Lab Sample ID: 500-245277-1 MS
Matrix: Water
Analysis Batch: 648923

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA
Prep Batch: 645979

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	0.989		22.9	25.36		2.88	1.00	0.584	pCi/L	106	60 - 140

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 500-245277-1 MS
Matrix: Water
Analysis Batch: 648923

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA
Prep Batch: 645979

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	39.4		30 - 110

Lab Sample ID: 500-245277-1 MSD
Matrix: Water
Analysis Batch: 648923

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA
Prep Batch: 645979

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	0.989		22.6	22.21		2.36	1.00	0.314	pCi/L	94	60 - 140	0.60	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	76.3		30 - 110										

Lab Sample ID: 500-245277-9 MS
Matrix: Water
Analysis Batch: 648923

Client Sample ID: HEN_49_MS
Prep Type: Total/NA
Prep Batch: 645979

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.352		15.2	16.29		1.80	1.00	0.226	pCi/L	105	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	47.1		30 - 110										

Lab Sample ID: 500-245277-9 MSD
Matrix: Water
Analysis Batch: 648923

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA
Prep Batch: 645979

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	0.352		15.0	13.19		1.40	1.00	0.181	pCi/L	85	60 - 140	0.97	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	87.0		30 - 110										

Lab Sample ID: MB 160-646070/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646070

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0007762	U	0.0540	0.0540	1.00	0.112	pCi/L	01/30/24 10:07	02/21/24 09:26	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/30/24 10:07	02/21/24 09:26	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-646070/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646070

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	12.38		1.28	1.00	0.0957	pCi/L	109	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	86.3		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-645976/1-A
Matrix: Water
Analysis Batch: 647133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 645976

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2216	U	0.242	0.243	1.00	0.394	pCi/L	01/29/24 09:08	02/07/24 11:32	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.2		30 - 110							
Y Carrier	84.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								01/29/24 09:08	02/07/24 11:32	1
								01/29/24 09:08	02/07/24 11:32	1

Lab Sample ID: LCS 160-645976/2-A
Matrix: Water
Analysis Batch: 647133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 645976

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.23	9.352		1.24	1.00	0.429	pCi/L	101	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	96.9		30 - 110							
Y Carrier	84.1		30 - 110							

Lab Sample ID: MB 160-645980/1-A
Matrix: Water
Analysis Batch: 647494

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 645980

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.08091	U	0.321	0.321	1.00	0.583	pCi/L	01/29/24 09:19	02/09/24 12:13	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	83.7		30 - 110							
Y Carrier	82.6		30 - 110							
								Prepared	Analyzed	Dil Fac
								01/29/24 09:19	02/09/24 12:13	1
								01/29/24 09:19	02/09/24 12:13	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-645980/2-A
Matrix: Water
Analysis Batch: 647494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 645980

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.23	9.609		1.31	1.00	0.474	pCi/L	104	75 - 125		
	LCS	LCS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	93.4		30 - 110										
Y Carrier	83.4		30 - 110										

Lab Sample ID: 500-245277-1 MS
Matrix: Water
Analysis Batch: 647494

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA
Prep Batch: 645980

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	-0.277	U F G	18.7	33.06	F1	5.16	1.00	2.69	pCi/L	177	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	39.4		30 - 110										
Y Carrier	77.4		30 - 110										

Lab Sample ID: 500-245277-1 MSD
Matrix: Water
Analysis Batch: 647494

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA
Prep Batch: 645980

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	-0.277	U F G	18.4	23.84		3.39	1.00	1.47	pCi/L	129	60 - 140	1.08	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	76.3		30 - 110										
Y Carrier	71.4		30 - 110										

Lab Sample ID: 500-245277-9 MS
Matrix: Water
Analysis Batch: 647494

Client Sample ID: HEN_49_MS
Prep Type: Total/NA
Prep Batch: 645980

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.595	U G F	12.4	17.66		2.80	1.00	1.38	pCi/L	138	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	47.1		30 - 110										
Y Carrier	75.9		30 - 110										

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
SDG: HEN_000_RAD

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-245277-9 MSD
Matrix: Water
Analysis Batch: 647494

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA
Prep Batch: 645980

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	0.595	U G F	12.2	12.23	F	1.75	1.00	0.748	pCi/L	95	60 - 140	1.20	1
Carrier	MSD %Yield	MSD Qualifier	Limits										
Ba Carrier	87.0		30 - 110										
Y Carrier	80.0		30 - 110										

Lab Sample ID: MB 160-646071/1-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646071

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2745	U	0.275	0.276	1.00	0.441	pCi/L	01/30/24 10:19	02/12/24 11:55	1
Carrier	MB %Yield	MB Qualifier	Limits							
Ba Carrier	88.0		30 - 110							
Y Carrier	88.2		30 - 110							
								Prepared	Analyzed	Dil Fac
								01/30/24 10:19	02/12/24 11:55	1
								01/30/24 10:19	02/12/24 11:55	1

Lab Sample ID: LCS 160-646071/2-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646071

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.22	10.05		1.34	1.00	0.482	pCi/L	109	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	86.3		30 - 110						
Y Carrier	87.9		30 - 110						

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_21R

Date Collected: 01/23/24 12:40

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 07:30
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:14
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_22

Date Collected: 01/23/24 15:20

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648924	FLC	EET SL	02/20/24 07:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_22&D

Date Collected: 01/23/24 15:00

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_27

Date Collected: 01/23/24 10:45

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_32

Date Collected: 01/23/24 09:30

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_34

Date Collected: 01/23/24 11:50

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_35

Date Collected: 01/23/24 13:40

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:24
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_35_FD

Date Collected: 01/23/24 13:40

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_49

Date Collected: 01/23/24 16:10

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647494	SCB	EET SL	02/09/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_50

Date Collected: 01/23/24 16:10

Date Received: 01/24/24 12:20

Lab Sample ID: 500-245277-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645979	KAC	EET SL	01/29/24 09:16
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:23
Total/NA	Prep	PrecSep_0			645980	KAC	EET SL	01/29/24 09:19
Total/NA	Analysis	904.0		1	647515	SCB	EET SL	02/09/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	649062	SCB	EET SL	02/21/24 16:16

Client Sample ID: HEN_12

Date Collected: 01/24/24 11:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:20
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_13

Date Collected: 01/24/24 12:41

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:20
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_16

Date Collected: 01/24/24 10:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:20
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_16_FD

Date Collected: 01/24/24 10:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:21
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_17

Date Collected: 01/24/24 11:55

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:21
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_23

Date Collected: 01/24/24 08:35

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:22
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_46

Date Collected: 01/24/24 13:10

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:22
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_47

Date Collected: 01/24/24 14:30

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:22
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_51

Date Collected: 01/24/24 09:00

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648921	FLC	EET SL	02/20/24 09:22
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_52

Date Collected: 01/24/24 10:25

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:32
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_54

Date Collected: 01/24/24 13:57

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:32
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_54_FD

Date Collected: 01/24/24 13:57

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:32
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:31
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_FB

Date Collected: 01/24/24 16:10

Date Received: 01/25/24 11:51

Lab Sample ID: 500-245277-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			645975	KAC	EET SL	01/29/24 09:04
Total/NA	Analysis	903.0		1	648923	FLC	EET SL	02/20/24 09:32
Total/NA	Prep	PrecSep_0			645976	KAC	EET SL	01/29/24 09:08
Total/NA	Analysis	904.0		1	647133	FLC	EET SL	02/07/24 11:30
Total/NA	Analysis	Ra226_Ra228 Pos		1	649061	SCB	EET SL	02/21/24 16:02

Client Sample ID: HEN_03R

Date Collected: 01/25/24 12:15

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649033	FLC	EET SL	02/21/24 09:37
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R_FD

Date Collected: 01/25/24 12:15

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649033	FLC	EET SL	02/21/24 09:37
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_08&D

Date Collected: 01/25/24 13:05

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649033	FLC	EET SL	02/21/24 09:37
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_18#S

Date Collected: 01/25/24 13:30

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649033	FLC	EET SL	02/21/24 09:37
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_18&D

Date Collected: 01/25/24 14:40

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649033	FLC	EET SL	02/21/24 09:37
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:09
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_45#S

Date Collected: 01/25/24 11:45

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649033	FLC	EET SL	02/21/24 09:37
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:09
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_XPW01_PORE

Date Collected: 01/25/24 08:45

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649035	FLC	EET SL	02/21/24 09:32
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:09
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_XPW02_PORE

Date Collected: 01/25/24 09:30

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649035	FLC	EET SL	02/21/24 09:32
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:09
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_XPW03_PORE

Date Collected: 01/25/24 10:30

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649035	FLC	EET SL	02/21/24 09:32
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:09
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Lab Chronicle

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Client Sample ID: HEN_07

Date Collected: 01/26/24 08:50

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649035	FLC	EET SL	02/21/24 09:32
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

Client Sample ID: HEN_08

Date Collected: 01/26/24 08:20

Date Received: 01/26/24 11:45

Lab Sample ID: 500-245277-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			646070	KAC	EET SL	01/30/24 10:07
Total/NA	Analysis	903.0		1	649035	FLC	EET SL	02/21/24 18:16
Total/NA	Prep	PrecSep_0			646071	KAC	EET SL	01/30/24 10:19
Total/NA	Analysis	904.0		1	647880	SCB	EET SL	02/12/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	649305	SCB	EET SL	02/22/24 13:59

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: HEN-24Q1

ATTACHMENT B.
15 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 590-245277-2
SDG: HEN_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

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

Page 1 of 3



500-245277 COC

Temp = 2.6 → 2.1, 3.7 → 3.2,
1.8 → 2.3

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 HN-845-803	
Company: Vistra Corp-Hennepin		Report To: Brian Voelker		Attention: Dave McCoy		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 13498 E 800th St		Copy To: Jason Stuckey Jason.Stuckey@visracorp.com Sam Davies samantha.davies@visracorp.com		Company Name: A3 Environmental			
Hennepin, IL 61327				Address: 3030 Warrenville Rd , Suite 418			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Warrenville, IL 60532			
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager		Site Location IL	
Requested Due Date/TAT: 10 day		Project Number: 50022619		Profile #:		STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRAWING WATER DW 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	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		HEN-257-801	HEN-257-802	HEN-257-803	HEN-257-804	HEN-811-801	HEN-845-802-805	HEN-845-803	HEN-845-804	HEN-WPCP-EAST	HEN-WPCP-WEST			HEN_000_RAD	HEN_000
3	HEN-22&D	WT G	1/23/24	1500	8	✓	✓								X			X		X	X	H									
	HEN-23														X			X		X	X	H									
	HEN-25														X							J		DTW ONLY							
	HEN-26														X							J		DTW ONLY							
4	HEN-27	WT G	1/23/24	1045	8	✓	✓								X			X		X	X	H									
	HEN-30														X							J		DTW ONLY							
	HEN-31														X							J		DTW ONLY							
5	HEN-32	WT G	1/23/24	0030	8	✓	✓								X			X		X	X	H									
	HEN-33														X							J		DTW ONLY							
6	HEN-34	WT G	1/23/24	1150	8	✓	✓								X			X		X	X	H									
7/8	HEN-35	WT G	1/23/24	1340	8	✓	✓								X			X		X	X	H		DUPE							
	HEN-36														X							J		DTW ONLY							
	HEN-40#S														X							E		SHORT HOLDS - NO2							
	HEN-45#S															X			X		X	B		SHORT HOLDS - NO2							
	HEN-46														X			X		X	G										
	HEN-47														X			X		X	G										
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																				
HEN-24Q1 Rev 2			Allison Beckett AZE.		1/24/24	0700	R.P. Ellison		1/24/24	1205																					
			R.J. Ellison		1/24/24	1224	R.M. Smith		1/24/24	1220																					
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. Allison Beckett																															
SIGNATURE of SAMPLER. Beckett										DATE Signed (MM/DD/YYYY) 1/23/24																					

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: Section B Required Project Information: Section C Invoice Information: Page 3 of 3

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

02/22/24

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ATTACHMENT B.

✓ HEN-845-803

Page 1 of 3

Required Client Information:

Required Project Information

Invoice Information

Company	Visitra Corp-Hennepin	Report To	Brian Voelker	Attention	Dave McCoy			
Address	13498 E 800th St	Copy To	Jason Stuckey Jason.Stuckey@vistracorp.com Sam Davies samantha.davies@vistracorp.com	Company Name	A3 Environmental	REGULATORY AGENCY		
	Hennepin, IL 61327			Address	3030 Warrenville Rd , Suite 418	NPDES	GROUND WATER	DRINKING WATER
Email To	Brian.Voelker@VisitraCorp.com	Purchase Order No.			Warrenville, IL 60532	UST	RCRA	OTHER
Phone	(217) 753-8911	Fax		Project Name		Site Location	IL	
	Requested Due Date/TAT	10 day	Project Number	50022619	Project Manager	STATE		
				Profile #:				



500-245277 COC

[illegible]

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 Allison Beckwith					
SIGNATURE of SAMPLER [Signature]	DATE Signed (MM/DD/YY) 1/24/24				

Temp: 4.4+3.9, 5.7+5.2, 5.6+5.1,
4.9+4.4

Page 66 of 84

02/22/24

Section A
Required Client Information:

Company	Visira Corp-Hennepin		
Address	13498 E 800th St Hennepin, IL 61327		
Email To	Brian.Voelker@VisiraCorp.com		
Phone	(217) 753-8911	Fax	
Requested Due Date/TAT	10 day		

Section B
Required Project Information

Report To	Brian Voelker		
Copy To	Jason Stuckey Jason.Stuckey@visiracorp.com Sam Davies samantha.davies@visiracorp.com		
Purchase Order No			
Project Name			
Project Number	50022619		

Section C
Invoice Information

Attention	Dave McCoy		
Company Name	A3 Environmental		
Address	3030 Warrenville Rd , Suite 418 Warrenville, IL 60532		
Project Manager			
Profile #			

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location

STATE

IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Y/N	Residual Chlorine (Y/N)	Project No./ Lab I.D.
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other						
	SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS																		
18	HEN-22&D																			
	HEN-23	WT G	1/24/24	0835		8														
	HEN-25																			
	HEN-26																			
	HEN-27																			
	HEN-30																			
	HEN-31																			
	HEN-32																			
	HEN-33																			
	HEN-34																			
	HEN-35																			
	HEN-36																			
	HEN-40#S																			
	HEN-45#S																			
19	HEN-46	WT G	1/24/24	1310		6														
20	HEN-47	WT G	1/24/24	1430		6														

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

HEN-24Q1 Rev 2

Allison Beckett A3E

1/25/24 0700

J.G. Egan

1/25/24 0840

J.G. Egan

1/25/24 1151

Stephanie Hemminger EEA

1/25/24 1151

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER

Allison Beckett

SIGNATURE of SAMPLER

Beckett

DATE Signed

(MM/DD/YY) 1/24/24

Temp in °C

Received on

Ice (Y/N)

Custody

Sealed Cooler

(Y/N)

Samples

Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Section B

Section C

Page 2 of 3

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information	
Company	Vistra Corp-Hennepin	Report To	Brian Veilker	Attention:	Dave McCoy
Address	13498 E 800th St	Copy To:	Jason Stuckey Jason Stuckey@vistracorp.com	Company Name	A3 Environmental
Email To:	Brian Veilker@VistraCorp.com	Purchase Order No.		Address	3030 Warrenville Rd, Suite 418
Phone	(217) 753-8911	Project Name		Project Manager	
Requested Due Date/AT	10 day	Project Number	50022619	Profile #:	
REGULATORY AGENCY		NPDES		GROUND WATER	DRINKING WATER
OTHER		RCRA			
STATE		IL			
Requested Analysis Filtered (Y/N)		Y/N		Analysis Test	
Residual Chlorine (Y/N)					
Project No./Lab I.D.					
HEN-02		WT G 1/25/24 1215		X	
HEN-03R		WT G 1/25/24 1350		X	
HEN-05R		WT G 1/25/24 1350		X	
HEN-05&DR		WT G 1/25/24 1350		X	
HEN-07				X	
HEN-08				X	
HEN-08&D		WT G 1/25/24 1305		X	
HEN-10				X	
HEN-12				X	
HEN-13		1/25/24		X	
HEN-16				X	
HEN-17				X	
HEN-18S		WT G 1/25/24 1330		X	
HEN-18&D		WT G 1/25/24 1440		X	
HEN-21R				X	
HEN-22				X	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	
HEN-2401 Rev 2		Gillison Beckert A3E		1/26/24 0700	
Gillison Beckert		Gillison Beckert		1/26/24 0700	
DATE Signed (MM/DD/YY)		1/25/24		DATE Signed (MM/DD/YY)	
Temp in °C				Temp in °C	
Received on Ice (Y/N)				Received on Ice (Y/N)	
Custody Sealed Cooler (Y/N)				Custody Sealed Cooler (Y/N)	
Samples Inact. (Y/N)				Samples Inact. (Y/N)	

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

CHAIN-OF-CUSTODY / Analytical Request Document

[illegible]

Company: Vista Corp.-Hennepin		Report To: Brian Voelker		Attention: Dave McCoy		REGULATORY AGENCY	
Address: 13498 E 800th St		Copy To: Jason Stuckey jason.stuckey@vistracorp.com		Company Name: A3 Environmental			
Hennepin, IL 61327		Sam Davies samantha.davies@vistracorp.com		Address: 3030 Warrenville Rd , Suite 418			
Email To: Brian Voelker@vistracorp.com		Purchase Order No.		Warrenville, IL 60532		NPDES GROUND WATER DRINKING WATER OTHER	
Phone (217) 753-8911		Project Name		Project Manager		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 50022619		Profile #:		Site Location STATE	

CHAIN-OF-CUSTODY / Analytical Request Document

Report To: Brian Voelker		Company Name: A3 Environmental		Attention: Dave McCoy	
Copy To: Jason Stuckey, Jason Stuckey@visitracorp.com		Address: 3030 Warrenville Rd, Suite 418		Warrenville, IL 60532	
Purchase Order No:		Project Name:		Project Number: 50022619	
Email To: Brian Voelker@visitracorp.com		Phone: (217) 753-8911		Fax:	
Requested Due Date/TA: 10 day					

Requested Client Information:		Requested Project Information:	
Company: Vista Corp-Hennepin	Address: 13498 E 800th St	Report To: Brian Voelker	Company Name: A3 Environmental
Hennepin, IL 61327		Attention: Dave McCoy	
Email To: Brian Voelker@visitracorp.com		Address: 3030 Warrenville Rd, Suite 418	
Phone: (217) 753-8911		Warrenville, IL 60532	
Fax:		Project Name:	
Requested Due Date/TA: 10 day		Project Number: 50022619	

Section B		Section C	
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.		The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.	
Page 1 of 1		Page 1 of 1	

Client Information (Sub Contract Lab)			Lab PM: Campbell, Donna L		Carrier Tracking No(s):		COC No: 500-184062.1																											
Client Contact Shipping/Receiving Company: TestAmerica Laboratories, Inc.			E-Mail: Donna.Campbell@et.eurofins.com		State of Origin: Illinois		Page Page 1 of 2																											
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: Project Name: HEN-24Q1 Site:			Accreditations Required (See note) NELAP - Illinois		Job # 500-245277-1		Job # 500-245277-1																											
Due Date Requested: 2/22/2024 TAT Requested (days):			Analysis Requested					Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)																										
Sample Identification - Client ID (Lab ID)			Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=swab, BT=tissue, AA=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0/PreSep_21 AN		904.0/PreSep_0 AN		903.0/PreSep_21 AU		904.0/PreSep_0 AU		Ra226.228GFPc_P/AU		903.0/PreSep_21 BB		904.0/PreSep_0 BB		Ra226.228GFPc_P/BB		Total Number of containers		Special Instructions/Note:	
HEN_21R (500-245277-1)			1/23/24		12:40 Central				Water						X		X		X		X		X		X		X		X		2			
HEN_21R_MS (500-245277-1MS)			1/23/24		12:40 Central		MS		Water						X		X		X		X		X		X		X		X		2			
HEN_21R_MSD (500-245277-1MSD)			1/23/24		12:40 Central		MSD		Water						X		X		X		X		X		X		X		X		2			
HEN_22 (500-245277-2)			1/23/24		15:20 Central				Water						X		X		X		X		X		X		X		X		2			
HEN_22&D (500-245277-3)			1/23/24		15:00 Central				Water						X		X		X		X		X		X		X		X		2			
HEN_27 (500-245277-4)			1/23/24		10:45 Central				Water						X		X		X		X		X		X		X		X		2			
HEN_32 (500-245277-5)			1/23/24		09:30 Central				Water						X		X		X		X		X		X		X		X		2			
HEN_34 (500-245277-6)			1/23/24		11:50 Central				Water						X		X		X		X		X		X		X		X		2			
HEN_35 (500-245277-7)			1/23/24		13:40 Central				Water						X		X		X		X		X		X		X		X		2			
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/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																																		
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:																																		
HEN-845-803																																		
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____																																		
Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____																																		
Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____																																		
Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____																																		

[illegible]

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: Campbell, Donna L		Carrier Tracking No(s):		COC No: 500-184098.1	
Client Contact: Shipping/Receiving		Phone:		State of Origin: Illinois		Page 1 of 2	
Company: TestAmerica Laboratories, Inc.		Address: 13715 Ridler Trail North, City: Earth City, State: MO, Zip: 63045		E-Mail: Donna.Campbell@et.eurofins.com		Job #: 500-245277-1	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:		Accreditations Required (See note): NELAP - Illinois		Preservation Codes:	
Email:		WO #:		Due Date Requested: 2/6/2024		Analysis Requested:	
Project Name: HEN-24Q1		Project #: 50022619		TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Site:		SSOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=wastewater, ET=EtOH, A=Air)		Preservation Code		903.0/PrecSep_21 BB		904.0/PrecSep_0 BB	
Ra226_228GFP_C/P/BB		Ra226_228GFP_C/P/BB		Ra226_228GFP_C/P/BB		Ra226_228GFP_C/P/BB	
Total Number of Containers		Special Instructions/Note:		2		2	
HEN_12 (500-245277-13)		1/24/24		11:55 Central		Water	
HEN_13 (500-245277-14)		1/24/24		12:41 Central		Water	
HEN_16 (500-245277-15)		1/24/24		10:55 Central		Water	
HEN_16_FD (500-245277-16)		1/24/24		10:55 Central		Water	
HEN_17 (500-245277-17)		1/24/24		11:55 Central		Water	
HEN_23 (500-245277-18)		1/24/24		08:35 Central		Water	
HEN_46 (500-245277-19)		1/24/24		13:10 Central		Water	
HEN_47 (500-245277-20)		1/24/24		14:30 Central		Water	
HEN_51 (500-245277-21)		1/24/24		09:00 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							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months							
Special Instructions/QC Requirements:							
Time:							
Date:							
Relinquished by: <i>[Signature]</i>							
Relinquished by: <i>[Signature]</i>							
Relinquished by: <i>[Signature]</i>							
Relinquished by: <i>[Signature]</i>							
Custody Seals Intact: ☐ Yes ☐ No							
Custody Seal No.:							
Cooler Temperature(s) °C and Other Remarks:							
Received by: Richard Thomley							
Date/Time: JAN 26 2024 0830							
Company: ETA STL							
Date/Time:							
Company:							
Date/Time:							
Company:							
Ver: 06/08/2021							

Chain of Custody Record



Environment Testing

[illegible]

Client Information (Sub Contract Lab)			Lab PW: Campbell, Donna L		Carrier Tracking No(s): 500-184142.1		COC No: 500-184142.1	
Client Contact Shipping/Receiving Company TestAmerica Laboratories, Inc.			E-Mail: Donna.Campbell@eurofins.com		State of Origin: Illinois		Page: Page 1 of 4	
Address 13715 Rider Trail North, City Earth City State, Zip MO, 63045 Phone 314-298-8566(Tel) 314-298-8757(Fax) Email Project Name HEN-24Q1 Site: SSOW#			Accreditations Required (See note) NELAP - Illinois		Job # 500-245277-1		Job # 500-245277-1	
Due Date Requested: 2/6/2024			Analysis Requested		Preservation Codes:		Special Instructions/Note:	
TAT Requested (days):			Perform MS/MSD (Yes or No)		Total Number of Containers		Other:	
PO #			Field Filtered Sample (Yes or No)		903.0/PreSep_21 AJ		A - HCL	
WO #			Sample Type (C=comp, G=grab)		904.0/PreSep_0 AJ		M - Hexane	
Project #			Sample Time		903.0/PreSep_21 AQ		N - None	
SSOW#			Sample Date		904.0/PreSep_0 AQ		O - AsNaO2	
Sample Identification - Client ID (Lab ID)			Preservation Code:		903.0/PreSep_21 BB		P - Na2O4S	
HEN_03R (500-245277-26)			12:15 Central		904.0/PreSep_21 AL		Q - Na2SO3	
HEN_03R_FD (500-245277-27)			12:15 Central		903.0/PreSep_0 BB		R - Na2S2O3	
HEN_08&D (500-245277-30)			13:05 Central		904.0/PreSep_21 AS		S - H2SO4	
HEN_18#S (500-245277-32)			13:30 Central		903.0/PreSep_0 BB		T - TSP Dodecahydrate	
HEN_18&D (500-245277-33)			14:40 Central		904.0/PreSep_21 AL		U - Acetone	
HEN_45#S (500-245277-35)			11:45 Central		903.0/PreSep_0 BB		V - MCAA	
HEN_XPW01_PORE (500-245277-36)			08:45 Central		904.0/PreSep_21 AL		W - pH 4-5	
HEN_XPW02_PORE (500-245277-37)			09:30 Central		903.0/PreSep_0 BB		Y - Trizma	
HEN_XPW03_PORE (500-245277-38)			10:30 Central		904.0/PreSep_21 AL		Z - other (specify)	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.			Special Instructions/Note:		903.0/PreSep_21 AS		Other:	
Possible Hazard Identification			Unconfirmed		904.0/PreSep_0 AL		Special Instructions/Note:	
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		903.0/PreSep_21 BB		Special Instructions/Note:	
Empty Kit Relinquished by:			Date:		904.0/PreSep_21 AQ		Special Instructions/Note:	
Relinquished by:			Time:		903.0/PreSep_0 AJ		Special Instructions/Note:	
Relinquished by:			Company:		904.0/PreSep_21 AL		Special Instructions/Note:	
Relinquished by:			Company:		903.0/PreSep_0 BB		Special Instructions/Note:	
Relinquished by:			Company:		904.0/PreSep_21 AS		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:		904.0/PreSep_21 AL		Special Instructions/Note:	
Custody Seal No.:			Custody Seal No.:		903.0/PreSep_0 BB		Special Instructions/Note:	
A Yes Δ No			Custody Seal No.:					

Chain of Custody Record

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

[illegible]

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-245277-2

SDG Number: HEN_000_RAD

Login Number: 245277

List Number: 1

Creator: Scott, Sherri L

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	2.1,3.2,2.3,3.9,5.2,5.1,4.4,4.1,3.3,2.6,2.7,4.4
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: 500-245277-2
SDG Number: HEN_000_RAD

Login Number: 245277

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 01/25/24 01:24 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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	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: 500-245277-2
SDG Number: HEN_000_RAD

Login Number: 245277

List Number: 4

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 01/26/24 02:19 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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	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: 500-245277-2
SDG Number: HEN_000_RAD

Login Number: 245277

List Number: 6

Creator: Korrinhizer, Micha L

List Source: Eurofins St. Louis

List Creation: 01/29/24 11:23 AM

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_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)	
500-245277-1	HEN_21R	61.8	
500-245277-1 MS	HEN_21R_MS	39.4	
500-245277-1 MSD	HEN_21R_MSD	76.3	
500-245277-2	HEN_22	90.1	
500-245277-3	HEN_22&D	81.7	
500-245277-4	HEN_27	78.4	
500-245277-5	HEN_32	81.2	
500-245277-6	HEN_34	77.9	
500-245277-7	HEN_35	73.0	
500-245277-8	HEN_35_FD	82.7	
500-245277-9	HEN_49	55.0	
500-245277-9 MS	HEN_49_MS	47.1	
500-245277-9 MSD	HEN_49_MSD	87.0	
500-245277-10	HEN_50	80.2	
500-245277-13	HEN_12	96.2	
500-245277-14	HEN_13	90.6	
500-245277-15	HEN_16	95.9	
500-245277-16	HEN_16_FD	93.9	
500-245277-17	HEN_17	92.4	
500-245277-18	HEN_23	84.2	
500-245277-19	HEN_46	95.4	
500-245277-20	HEN_47	101	
500-245277-21	HEN_51	85.8	
500-245277-22	HEN_52	96.2	
500-245277-23	HEN_54	98.5	
500-245277-24	HEN_54_FD	85.0	
500-245277-25	HEN_FB	92.4	
500-245277-26	HEN_03R	96.4	
500-245277-27	HEN_03R_FD	98.5	
500-245277-30	HEN_08&D	88.0	
500-245277-32	HEN_18#S	87.0	
500-245277-33	HEN_18&D	89.6	
500-245277-35	HEN_45#S	85.0	
500-245277-36	HEN_XPW01_PORE	34.1	
500-245277-37	HEN_XPW02_PORE	90.1	
500-245277-38	HEN_XPW03_PORE	94.9	
500-245277-39	HEN_07	98.2	
500-245277-40	HEN_08	88.0	
LCS 160-645975/2-A	Lab Control Sample	96.9	
LCS 160-645979/2-A	Lab Control Sample	93.4	
LCS 160-646070/2-A	Lab Control Sample	86.3	
MB 160-645975/1-A	Method Blank	97.2	
MB 160-645979/1-A	Method Blank	83.7	
MB 160-646070/1-A	Method Blank	88.0	

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
HENNEPIN POWER PLANT, EAST ASH POND
Job ID: 500-245277-2
SDG: HEN_000_RAD

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-245277-1	HEN_21R	61.8	84.1
500-245277-1 MS	HEN_21R_MS	39.4	77.4
500-245277-1 MSD	HEN_21R_MSD	76.3	71.4
500-245277-2	HEN_22	90.1	82.2
500-245277-3	HEN_22&D	81.7	76.6
500-245277-4	HEN_27	78.4	78.5
500-245277-5	HEN_32	81.2	76.3
500-245277-6	HEN_34	77.9	79.6
500-245277-7	HEN_35	73.0	71.0
500-245277-8	HEN_35_FD	82.7	78.9
500-245277-9	HEN_49	55.0	80.0
500-245277-9 MS	HEN_49_MS	47.1	75.9
500-245277-9 MSD	HEN_49_MSD	87.0	80.0
500-245277-10	HEN_50	80.2	75.1
500-245277-13	HEN_12	96.2	81.5
500-245277-14	HEN_13	90.6	84.9
500-245277-15	HEN_16	95.9	86.7
500-245277-16	HEN_16_FD	93.9	85.2
500-245277-17	HEN_17	92.4	84.5
500-245277-18	HEN_23	84.2	87.1
500-245277-19	HEN_46	95.4	81.1
500-245277-20	HEN_47	101	85.6
500-245277-21	HEN_51	85.8	81.1
500-245277-22	HEN_52	96.2	85.2
500-245277-23	HEN_54	98.5	75.9
500-245277-24	HEN_54_FD	85.0	80.4
500-245277-25	HEN_FB	92.4	84.9
500-245277-26	HEN_03R	96.4	87.5
500-245277-27	HEN_03R_FD	98.5	90.8
500-245277-30	HEN_08&D	88.0	93.8
500-245277-32	HEN_18#S	87.0	81.5
500-245277-33	HEN_18&D	89.6	84.9
500-245277-35	HEN_45#S	85.0	89.7
500-245277-36	HEN_XPW01_PORE	34.1	83.4
500-245277-37	HEN_XPW02_PORE	90.1	84.1
500-245277-38	HEN_XPW03_PORE	94.9	84.5
500-245277-39	HEN_07	98.2	81.9
500-245277-40	HEN_08	88.0	87.5
LCS 160-645976/2-A	Lab Control Sample	96.9	84.1
LCS 160-645980/2-A	Lab Control Sample	93.4	83.4
LCS 160-646071/2-A	Lab Control Sample	86.3	87.9
MB 160-645976/1-A	Method Blank	97.2	84.5
MB 160-645980/1-A	Method Blank	83.7	82.6
MB 160-646071/1-A	Method Blank	88.0	88.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 1, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
12	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	20	100	All ND - Last	0.003	0.001
12	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	25	100	All ND - Last	0.001	0.001
12	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	27	0	CI around mean	0.0521	0.212
12	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.001	0.001
12	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	28	0	CB around T-S line	0.0443	0.163
12	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	29	90	CI around median	0.001	0.00230
12	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	70.6	435
12	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	25	97	CB around T-S line	0.0015	0.00100
12	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	23	83	Most recent sample	0.001	0.0380
12	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	28	3	CI around median	0.23	0.120
12	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	25	100	All ND - Last	0.0005	0.00150
12	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	24	4	CB around linear reg	0.0057	0.0190
12	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0002	0.0002
12	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	27	0	CB around linear reg	0.011	0.00170
12	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	35	0	CI around mean	7.3/7.4	6.6/7.5
12	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around mean	0.466	2.00
12	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	27	58	CI around median	0.001	0.00140
12	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	28	0	CI around geomean	63.7	215
12	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.002	0.001
12	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	462	1,620
13	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	20	96	CB around T-S line	0.001	0.001
13	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	25	97	CI around median	0.001	0.001
13	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	27	0	CI around mean	0.043	0.212
13	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.001	0.001
13	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	0.569	0.163
13	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	29	98	CI around median	0.001	0.00230
13	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	73.6	435

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
13	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	25	86	CB around T-S line	0.00167	0.00100
13	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	23	83	Most recent sample	0.001	0.0380
13	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	28	3	CI around median	0.2	0.120
13	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	25	97	CI around median	0.001	0.00150
13	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	0.0161	0.0190
13	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0002	0.0002
13	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	27	26	CI around mean	0.0146	0.00170
13	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	35	0	CI around mean	7.4/7.5	6.6/7.5
13	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around mean	0.492	2.00
13	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	27	45	CI around mean	0.00135	0.00140
13	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	28	0	CI around mean	77.2	215
13	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.002	0.001
13	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	27	0	CI around mean	481	1,620
46	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.003	0.001
46	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	21	100	All ND - Last	0.001	0.001
46	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	23	0	CB around linear reg	0.0655	0.212
46	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.001	0.001
46	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	0.196	0.163
46	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0005	0.00230
46	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	70.3	435
46	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	21	90	CB around T-S line	0.00162	0.00100
46	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.001	0.0380
46	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	24	4	CI around median	0.24	0.120
46	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	21	100	All ND - Last	0.0005	0.00150
46	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	23	4	CI around median	0.0088	0.0190
46	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.0002	0.0002
46	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	23	0	CB around T-S line	0.00957	0.00170

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
46	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	24	0	CB around linear reg	7.0/7.3	6.6/7.5
46	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around geomean	0.315	2.00
46	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	23	61	CI around median	0.001	0.00140
46	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	24	0	CI around geomean	62.3	215
46	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.002	0.001
46	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	24	0	CB around linear reg	456	1,620
47	UA	E004	Antimony, total	mg/L	12/09/15 - 01/24/24	19	100	All ND - Last	0.003	0.001
47	UA	E004	Arsenic, total	mg/L	12/09/15 - 01/24/24	21	95	CI around median	0.001	0.001
47	UA	E004	Barium, total	mg/L	12/09/15 - 01/24/24	23	0	CB around linear reg	0.0842	0.212
47	UA	E004	Beryllium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.001	0.001
47	UA	E004	Boron, total	mg/L	12/09/15 - 01/24/24	24	0	CI around geomean	0.218	0.163
47	UA	E004	Cadmium, total	mg/L	12/09/15 - 01/24/24	22	100	All ND - Last	0.0005	0.00230
47	UA	E004	Chloride, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	74.6	435
47	UA	E004	Chromium, total	mg/L	12/09/15 - 01/24/24	21	95	CB around T-S line	0.00158	0.00100
47	UA	E004	Cobalt, total	mg/L	12/09/15 - 01/24/24	22	82	CI around median	0.001	0.0380
47	UA	E004	Fluoride, total	mg/L	12/09/15 - 01/24/24	24	4	CB around T-S line	0.22	0.120
47	UA	E004	Lead, total	mg/L	12/09/15 - 01/24/24	21	100	All ND - Last	0.0005	0.00150
47	UA	E004	Lithium, total	mg/L	12/09/15 - 01/24/24	23	0	CI around mean	0.00832	0.0190
47	UA	E004	Mercury, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.0002	0.0002
47	UA	E004	Molybdenum, total	mg/L	12/09/15 - 01/24/24	23	0	CB around linear reg	0.0138	0.00170
47	UA	E004	pH (field)	SU	12/09/15 - 01/24/24	24	0	CI around mean	7.0/7.1	6.6/7.5
47	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/24/24	23	0	CI around mean	0.384	2.00
47	UA	E004	Selenium, total	mg/L	12/09/15 - 01/24/24	22	91	CB around T-S line	0.001	0.00140
47	UA	E004	Sulfate, total	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	64.3	215
47	UA	E004	Thallium, total	mg/L	12/09/15 - 01/24/24	18	100	All ND - Last	0.002	0.001
47	UA	E004	Total Dissolved Solids	mg/L	12/09/15 - 01/24/24	24	0	CI around mean	478	1,620
52	UA	E004	Antimony, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.003	0.001

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
52	UA	E004	Arsenic, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.001
52	UA	E004	Barium, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.0734	0.212
52	UA	E004	Beryllium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.001
52	UA	E004	Boron, total	mg/L	02/24/21 - 01/24/24	13	0	CI around geomean	0.135	0.163
52	UA	E004	Cadmium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.00230
52	UA	E004	Chloride, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	73.9	435
52	UA	E004	Chromium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.005	0.00100
52	UA	E004	Cobalt, total	mg/L	02/24/21 - 01/24/24	13	92	Most recent sample	0.001	0.0380
52	UA	E004	Fluoride, total	mg/L	02/24/21 - 01/24/24	13	8	CI around geomean	0.26	0.120
52	UA	E004	Lead, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.00150
52	UA	E004	Lithium, total	mg/L	02/24/21 - 01/24/24	13	8	CI around mean	0.00566	0.0190
52	UA	E004	Mercury, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0002	0.0002
52	UA	E004	Molybdenum, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.0105	0.00170
52	UA	E004	pH (field)	SU	02/24/21 - 01/24/24	13	0	CI around mean	7.0/7.4	6.6/7.5
52	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 01/24/24	13	0	CI around mean	0.378	2.00
52	UA	E004	Selenium, total	mg/L	02/24/21 - 01/24/24	13	92	CB around T-S line	0.001	0.00140
52	UA	E004	Sulfate, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	60	215
52	UA	E004	Thallium, total	mg/L	02/24/21 - 01/24/24	13	92	CI around median	0.002	0.001
52	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 01/24/24	12	0	CI around mean	440	1,620
54	UA	E004	Antimony, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.003	0.001
54	UA	E004	Arsenic, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.001
54	UA	E004	Barium, total	mg/L	02/24/21 - 01/24/24	13	0	CB around linear reg	0.0396	0.212
54	UA	E004	Beryllium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.001	0.001
54	UA	E004	Boron, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.492	0.163
54	UA	E004	Cadmium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.00230
54	UA	E004	Chloride, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	79.7	435
54	UA	E004	Chromium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.005	0.00100

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
54	UA	E004	Cobalt, total	mg/L	02/24/21 - 01/24/24	13	85	CI around median	0.001	0.0380
54	UA	E004	Fluoride, total	mg/L	02/24/21 - 01/24/24	13	8	CB around T-S line	-0.165	0.120
54	UA	E004	Lead, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0005	0.00150
54	UA	E004	Lithium, total	mg/L	02/24/21 - 01/24/24	13	0	CB around linear reg	0.00869	0.0190
54	UA	E004	Mercury, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.0002	0.0002
54	UA	E004	Molybdenum, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	0.0214	0.00170
54	UA	E004	pH (field)	SU	02/24/21 - 01/24/24	13	0	CI around mean	7.0/7.4	6.6/7.5
54	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 01/24/24	13	0	CI around geomean	0.109	2.00
54	UA	E004	Selenium, total	mg/L	02/24/21 - 01/24/24	13	54	CB around T-S line	0.00151	0.00140
54	UA	E004	Sulfate, total	mg/L	02/24/21 - 01/24/24	13	0	CI around mean	76.5	215
54	UA	E004	Thallium, total	mg/L	02/24/21 - 01/24/24	13	100	All ND - Last	0.002	0.001
54	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 01/24/24	11	0	CI around mean	490	1,620

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic 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