



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

November 5, 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 West Ash Pond System; IEPA ID # W1550100002-01 and
W1550100002-03**

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 3, 2024 sampling event at the Hennepin Power Plant West Ash Pond System (WAPS), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1550100002-01 and No. W1550100002-03. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS.

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) was submitted on November 10, 2023 for the exceedance of the GWPS detected during the Quarter 2, 2023 sampling event. Exceedances of cadmium were detected during the Quarter 3, 2024 sampling event in the same monitoring wells identified in the approved ASD. The IEPA provided a written concurrence with the ASD on December 11, 2023, and therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

A Corrective Measures Assessment (CMA) for the WAPS was initiated on December 10, 2023, completed, and submitted to IEPA on May 8, 2024 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan, which will ultimately select a remedy to address all releases from the WAPS. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before May 8, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,

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

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

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 3, 2024, West Ash Pond System,
Hennepin Power Plant, Hennepin, Illinois*

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

November 5, 2024

Samples were collected on July 15, July 18, and August 6, 2024, and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on September 6, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 3, 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 3, 2024 sampling event.

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

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration² (ASD) was submitted on November 10, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event. Exceedances of cadmium were detected during the Quarter 3, 2024 sampling event in the same monitoring wells identified in the approved ASD. The Illinois Environmental Protection Agency (IEPA) provided a written concurrence with the ASD on December 11, 2023³, and therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan Addendum for the West Ash Pond System. Hennepin Power Plant. Hennepin, Illinois. October 25, 2021.*

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, West Ash Pond System, Hennepin Power Plant, Hennepin, IL, IEPA ID: W1550100002-01 and W1550100002-03. November 10, 2023.*

³ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Hennepin Power Plant West Ash Pond System; W1550100002-01 & 03, Alternative Source Demonstration (ASD) Submittal. December 11, 2023.*

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 3, 2024
Table 2	Comparison of Statistical Results to GWPS - Quarter 3, 2024

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 3, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 3, 2024
Attachment C	Comparison of Statistical Results to Background - Quarter 3, 2024

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
32	Background	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
32	Background	E006	08/06/2024	Arsenic, total	0.00023 U	mg/L
32	Background	E006	08/06/2024	Barium, total	0.0380	mg/L
32	Background	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
32	Background	E006	08/06/2024	Boron, total	0.210 J+	mg/L
32	Background	E006	08/06/2024	Cadmium, total	0.00018 J	mg/L
32	Background	E006	08/06/2024	Calcium, total	100	mg/L
32	Background	E006	08/06/2024	Chloride, total	77.0	mg/L
32	Background	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
32	Background	E006	08/06/2024	Cobalt, total	0.00079 J	mg/L
32	Background	E006	08/06/2024	Dissolved Oxygen	0.620	mg/L
32	Background	E006	08/06/2024	Fluoride, total	0.130	mg/L
32	Background	E006	08/06/2024	Lead, total	0.00019 U	mg/L
32	Background	E006	08/06/2024	Lithium, total	0.005 UJ	mg/L
32	Background	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
32	Background	E006	08/06/2024	Molybdenum, total	0.0025 U	mg/L
32	Background	E006	08/06/2024	Oxidation Reduction Potential	68.4	mV
32	Background	E006	08/06/2024	pH (field)	7.1	SU
32	Background	E006	08/06/2024	Radium 226 + Radium 228, total	0.0566	pCi/L
32	Background	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
32	Background	E006	08/06/2024	Specific Conductance @ 25C (field)	817	micromhos/cm
32	Background	E006	08/06/2024	Sulfate, total	60.0	mg/L
32	Background	E006	08/06/2024	Temperature	13.4	degrees C
32	Background	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
32	Background	E006	08/06/2024	Total Dissolved Solids	580	mg/L
32	Background	E006	08/06/2024	Turbidity, field	2.25	NTU
34	Background	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
34	Background	E006	08/06/2024	Arsenic, total	0.00044 J	mg/L
34	Background	E006	08/06/2024	Barium, total	0.110	mg/L
34	Background	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
34	Background	E006	08/06/2024	Boron, total	0.160 J+	mg/L
34	Background	E006	08/06/2024	Cadmium, total	0.00017 U	mg/L
34	Background	E006	08/06/2024	Calcium, total	160	mg/L
34	Background	E006	08/06/2024	Chloride, total	70.0	mg/L
34	Background	E006	08/06/2024	Chromium, total	0.0013 J	mg/L
34	Background	E006	08/06/2024	Cobalt, total	0.0004 U	mg/L
34	Background	E006	08/06/2024	Dissolved Oxygen	0.150	mg/L
34	Background	E006	08/06/2024	Fluoride, total	0.160	mg/L
34	Background	E006	08/06/2024	Lead, total	0.0005 UJ	mg/L
34	Background	E006	08/06/2024	Lithium, total	0.0150 J+	mg/L
34	Background	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
34	Background	E006	08/06/2024	Molybdenum, total	0.0025 U	mg/L
34	Background	E006	08/06/2024	Oxidation Reduction Potential	-102	mV
34	Background	E006	08/06/2024	pH (field)	7.0	SU
34	Background	E006	08/06/2024	Radium 226 + Radium 228, total	0.213	pCi/L
34	Background	E006	08/06/2024	Selenium, total	0.00098 U	mg/L

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HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
34	Background	E006	08/06/2024	Specific Conductance @ 25C (field)	1,082	micromhos/cm
34	Background	E006	08/06/2024	Sulfate, total	49.0	mg/L
34	Background	E006	08/06/2024	Temperature	13.0	degrees C
34	Background	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
34	Background	E006	08/06/2024	Total Dissolved Solids	800	mg/L
34	Background	E006	08/06/2024	Turbidity, field	13.8	NTU
21R	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
21R	Compliance	E006	08/06/2024	Arsenic, total	0.0230	mg/L
21R	Compliance	E006	08/06/2024	Barium, total	0.280	mg/L
21R	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
21R	Compliance	E006	08/06/2024	Boron, total	2.20	mg/L
21R	Compliance	E006	08/06/2024	Cadmium, total	0.00017 U	mg/L
21R	Compliance	E006	08/06/2024	Calcium, total	130	mg/L
21R	Compliance	E006	08/06/2024	Chloride, total	93.0	mg/L
21R	Compliance	E006	08/06/2024	Chromium, total	0.0012 J	mg/L
21R	Compliance	E006	08/06/2024	Cobalt, total	0.00051 J	mg/L
21R	Compliance	E006	08/06/2024	Dissolved Oxygen	3.77	mg/L
21R	Compliance	E006	08/06/2024	Fluoride, total	0.170	mg/L
21R	Compliance	E006	08/06/2024	Lead, total	0.000940 J+	mg/L
21R	Compliance	E006	08/06/2024	Lithium, total	0.0270	mg/L
21R	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
21R	Compliance	E006	08/06/2024	Molybdenum, total	0.00860	mg/L
21R	Compliance	E006	08/06/2024	Oxidation Reduction Potential	-140	mV
21R	Compliance	E006	08/06/2024	pH (field)	7.4	SU
21R	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	1.37	pCi/L
21R	Compliance	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
21R	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	969	micromhos/cm
21R	Compliance	E006	08/06/2024	Sulfate, total	82.0	mg/L
21R	Compliance	E006	08/06/2024	Temperature	13.9	degrees C
21R	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
21R	Compliance	E006	08/06/2024	Total Dissolved Solids	670	mg/L
21R	Compliance	E006	08/06/2024	Turbidity, field	21.6	NTU
22	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
22	Compliance	E006	08/06/2024	Arsenic, total	0.00079 J	mg/L
22	Compliance	E006	08/06/2024	Barium, total	0.0580	mg/L
22	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
22	Compliance	E006	08/06/2024	Boron, total	3.10	mg/L
22	Compliance	E006	08/06/2024	Cadmium, total	0.00470	mg/L
22	Compliance	E006	08/06/2024	Calcium, total	96.0	mg/L
22	Compliance	E006	08/06/2024	Chloride, total	91.0	mg/L
22	Compliance	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
22	Compliance	E006	08/06/2024	Cobalt, total	0.00200	mg/L
22	Compliance	E006	08/06/2024	Dissolved Oxygen	3.16	mg/L
22	Compliance	E006	08/06/2024	Fluoride, total	0.160	mg/L
22	Compliance	E006	08/06/2024	Lead, total	0.0005 UJ	mg/L
22	Compliance	E006	08/06/2024	Lithium, total	0.0520	mg/L

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HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
22	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
22	Compliance	E006	08/06/2024	Molybdenum, total	0.0690	mg/L
22	Compliance	E006	08/06/2024	Oxidation Reduction Potential	55.4	mV
22	Compliance	E006	08/06/2024	pH (field)	7.5	SU
22	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	0.102	pCi/L
22	Compliance	E006	08/06/2024	Selenium, total	0.0120	mg/L
22	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	869	micromhos/cm
22	Compliance	E006	08/06/2024	Sulfate, total	120	mg/L
22	Compliance	E006	08/06/2024	Temperature	15.9	degrees C
22	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
22	Compliance	E006	08/06/2024	Total Dissolved Solids	640	mg/L
22	Compliance	E006	08/06/2024	Turbidity, field	1.17	NTU
22D	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
22D	Compliance	E006	08/06/2024	Arsenic, total	0.00100	mg/L
22D	Compliance	E006	08/06/2024	Barium, total	0.0680	mg/L
22D	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
22D	Compliance	E006	08/06/2024	Boron, total	1.50	mg/L
22D	Compliance	E006	08/06/2024	Cadmium, total	0.00017 U	mg/L
22D	Compliance	E006	08/06/2024	Calcium, total	120	mg/L
22D	Compliance	E006	08/06/2024	Chloride, total	98.0	mg/L
22D	Compliance	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
22D	Compliance	E006	08/06/2024	Cobalt, total	0.0004 U	mg/L
22D	Compliance	E006	08/06/2024	Dissolved Oxygen	0.940	mg/L
22D	Compliance	E006	08/06/2024	Fluoride, total	0.110	mg/L
22D	Compliance	E006	08/06/2024	Lead, total	0.00019 U	mg/L
22D	Compliance	E006	08/06/2024	Lithium, total	0.0160 J+	mg/L
22D	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
22D	Compliance	E006	08/06/2024	Molybdenum, total	0.00630	mg/L
22D	Compliance	E006	08/06/2024	Oxidation Reduction Potential	-82.2	mV
22D	Compliance	E006	08/06/2024	pH (field)	7.2	SU
22D	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	1.38	pCi/L
22D	Compliance	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
22D	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	951	micromhos/cm
22D	Compliance	E006	08/06/2024	Sulfate, total	93.0	mg/L
22D	Compliance	E006	08/06/2024	Temperature	16.5	degrees C
22D	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
22D	Compliance	E006	08/06/2024	Total Dissolved Solids	680	mg/L
22D	Compliance	E006	08/06/2024	Turbidity, field	3.24	NTU
23	Compliance	E006	07/18/2024	Antimony, total	0.0013 U	mg/L
23	Compliance	E006	07/18/2024	Arsenic, total	0.00065 J	mg/L
23	Compliance	E006	07/18/2024	Barium, total	0.0400	mg/L
23	Compliance	E006	07/18/2024	Beryllium, total	0.00053 U	mg/L
23	Compliance	E006	07/18/2024	Boron, total	9.20	mg/L
23	Compliance	E006	07/18/2024	Cadmium, total	0.00017 U	mg/L
23	Compliance	E006	07/18/2024	Calcium, total	110	mg/L
23	Compliance	E006	07/18/2024	Chloride, total	54.0	mg/L

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845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
23	Compliance	E006	07/18/2024	Chromium, total	0.0011 U	mg/L
23	Compliance	E006	07/18/2024	Cobalt, total	0.0004 U	mg/L
23	Compliance	E006	07/18/2024	Dissolved Oxygen	0.150	mg/L
23	Compliance	E006	07/18/2024	Fluoride, total	0.170	mg/L
23	Compliance	E006	07/18/2024	Lead, total	0.00019 U	mg/L
23	Compliance	E006	07/18/2024	Lithium, total	0.005 UJ	mg/L
23	Compliance	E006	07/18/2024	Mercury, total	0.000076 U	mg/L
23	Compliance	E006	07/18/2024	Molybdenum, total	0.0140	mg/L
23	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-78.1	mV
23	Compliance	E006	07/18/2024	pH (field)	7.5	SU
23	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.366	pCi/L
23	Compliance	E006	07/18/2024	Selenium, total	0.00098 U	mg/L
23	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,066	micromhos/cm
23	Compliance	E006	07/18/2024	Sulfate, total	460	mg/L
23	Compliance	E006	07/18/2024	Temperature	13.6	degrees C
23	Compliance	E006	07/18/2024	Thallium, total	0.00057 U	mg/L
23	Compliance	E006	07/18/2024	Total Dissolved Solids	940	mg/L
23	Compliance	E006	07/18/2024	Turbidity, field	6.86	NTU
27	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
27	Compliance	E006	08/06/2024	Arsenic, total	0.00086 J	mg/L
27	Compliance	E006	08/06/2024	Barium, total	0.0830	mg/L
27	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
27	Compliance	E006	08/06/2024	Boron, total	2.20	mg/L
27	Compliance	E006	08/06/2024	Cadmium, total	0.00022 J	mg/L
27	Compliance	E006	08/06/2024	Calcium, total	130	mg/L
27	Compliance	E006	08/06/2024	Chloride, total	96.0	mg/L
27	Compliance	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
27	Compliance	E006	08/06/2024	Cobalt, total	0.00270	mg/L
27	Compliance	E006	08/06/2024	Dissolved Oxygen	0.110	mg/L
27	Compliance	E006	08/06/2024	Fluoride, total	0.130	mg/L
27	Compliance	E006	08/06/2024	Lead, total	0.000760 J+	mg/L
27	Compliance	E006	08/06/2024	Lithium, total	0.0250	mg/L
27	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
27	Compliance	E006	08/06/2024	Molybdenum, total	0.0043 J	mg/L
27	Compliance	E006	08/06/2024	Oxidation Reduction Potential	-14.7	mV
27	Compliance	E006	08/06/2024	pH (field)	7.1	SU
27	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	0.253	pCi/L
27	Compliance	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
27	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	949	micromhos/cm
27	Compliance	E006	08/06/2024	Sulfate, total	100	mg/L
27	Compliance	E006	08/06/2024	Temperature	12.7	degrees C
27	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
27	Compliance	E006	08/06/2024	Total Dissolved Solids	690	mg/L
27	Compliance	E006	08/06/2024	Turbidity, field	6.57	NTU
35	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
35	Compliance	E006	08/06/2024	Arsenic, total	0.00034 J	mg/L

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HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
35	Compliance	E006	08/06/2024	Barium, total	0.0510	mg/L
35	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
35	Compliance	E006	08/06/2024	Boron, total	16.0	mg/L
35	Compliance	E006	08/06/2024	Cadmium, total	0.00043 J	mg/L
35	Compliance	E006	08/06/2024	Calcium, total	420	mg/L
35	Compliance	E006	08/06/2024	Chloride, total	13.0	mg/L
35	Compliance	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
35	Compliance	E006	08/06/2024	Cobalt, total	0.00077 J	mg/L
35	Compliance	E006	08/06/2024	Dissolved Oxygen	0.140	mg/L
35	Compliance	E006	08/06/2024	Fluoride, total	0.160	mg/L
35	Compliance	E006	08/06/2024	Lead, total	0.00019 U	mg/L
35	Compliance	E006	08/06/2024	Lithium, total	0.0260	mg/L
35	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
35	Compliance	E006	08/06/2024	Molybdenum, total	0.0690	mg/L
35	Compliance	E006	08/06/2024	Oxidation Reduction Potential	114	mV
35	Compliance	E006	08/06/2024	pH (field)	6.8	SU
35	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	0.519	pCi/L
35	Compliance	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
35	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	1,723	micromhos/cm
35	Compliance	E006	08/06/2024	Sulfate, total	1,100	mg/L
35	Compliance	E006	08/06/2024	Temperature	15.8	degrees C
35	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
35	Compliance	E006	08/06/2024	Total Dissolved Solids	1,900	mg/L
35	Compliance	E006	08/06/2024	Turbidity, field	9.47	NTU
49	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
49	Compliance	E006	08/06/2024	Arsenic, total	0.00023 U	mg/L
49	Compliance	E006	08/06/2024	Barium, total	0.0600	mg/L
49	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
49	Compliance	E006	08/06/2024	Boron, total	0.710	mg/L
49	Compliance	E006	08/06/2024	Cadmium, total	0.00130	mg/L
49	Compliance	E006	08/06/2024	Calcium, total	110	mg/L
49	Compliance	E006	08/06/2024	Chloride, total	110	mg/L
49	Compliance	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
49	Compliance	E006	08/06/2024	Cobalt, total	0.00320	mg/L
49	Compliance	E006	08/06/2024	Dissolved Oxygen	0.180	mg/L
49	Compliance	E006	08/06/2024	Fluoride, total	0.170	mg/L
49	Compliance	E006	08/06/2024	Lead, total	0.0005 UJ	mg/L
49	Compliance	E006	08/06/2024	Lithium, total	0.0250	mg/L
49	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
49	Compliance	E006	08/06/2024	Molybdenum, total	0.0220	mg/L
49	Compliance	E006	08/06/2024	Oxidation Reduction Potential	59.7	mV
49	Compliance	E006	08/06/2024	pH (field)	7.0	SU
49	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	0.442	pCi/L
49	Compliance	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
49	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	939	micromhos/cm
49	Compliance	E006	08/06/2024	Sulfate, total	80.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
49	Compliance	E006	08/06/2024	Temperature	15.0	degrees C
49	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
49	Compliance	E006	08/06/2024	Total Dissolved Solids	640	mg/L
49	Compliance	E006	08/06/2024	Turbidity, field	3.30	NTU
50	Compliance	E006	08/06/2024	Antimony, total	0.0013 U	mg/L
50	Compliance	E006	08/06/2024	Arsenic, total	0.00056 J	mg/L
50	Compliance	E006	08/06/2024	Barium, total	0.0870	mg/L
50	Compliance	E006	08/06/2024	Beryllium, total	0.00053 U	mg/L
50	Compliance	E006	08/06/2024	Boron, total	0.720	mg/L
50	Compliance	E006	08/06/2024	Cadmium, total	0.000960	mg/L
50	Compliance	E006	08/06/2024	Calcium, total	130	mg/L
50	Compliance	E006	08/06/2024	Chloride, total	90.0	mg/L
50	Compliance	E006	08/06/2024	Chromium, total	0.0011 U	mg/L
50	Compliance	E006	08/06/2024	Cobalt, total	0.00370	mg/L
50	Compliance	E006	08/06/2024	Dissolved Oxygen	1.00	mg/L
50	Compliance	E006	08/06/2024	Fluoride, total	0.110	mg/L
50	Compliance	E006	08/06/2024	Lead, total	0.00019 U	mg/L
50	Compliance	E006	08/06/2024	Lithium, total	0.0240	mg/L
50	Compliance	E006	08/06/2024	Mercury, total	0.000076 U	mg/L
50	Compliance	E006	08/06/2024	Molybdenum, total	0.0330	mg/L
50	Compliance	E006	08/06/2024	Oxidation Reduction Potential	137	mV
50	Compliance	E006	08/06/2024	pH (field)	7.4	SU
50	Compliance	E006	08/06/2024	Radium 226 + Radium 228, total	0.56	pCi/L
50	Compliance	E006	08/06/2024	Selenium, total	0.00098 U	mg/L
50	Compliance	E006	08/06/2024	Specific Conductance @ 25C (field)	1,175	micromhos/cm
50	Compliance	E006	08/06/2024	Sulfate, total	92.0	mg/L
50	Compliance	E006	08/06/2024	Temperature	16.4	degrees C
50	Compliance	E006	08/06/2024	Thallium, total	0.00057 U	mg/L
50	Compliance	E006	08/06/2024	Total Dissolved Solids	610	mg/L
50	Compliance	E006	08/06/2024	Turbidity, field	1.35	NTU
51	Compliance	E006	07/18/2024	Antimony, total	0.0013 U	mg/L
51	Compliance	E006	07/18/2024	Arsenic, total	0.0230	mg/L
51	Compliance	E006	07/18/2024	Barium, total	0.100	mg/L
51	Compliance	E006	07/18/2024	Beryllium, total	0.00053 U	mg/L
51	Compliance	E006	07/18/2024	Boron, total	1.50	mg/L
51	Compliance	E006	07/18/2024	Cadmium, total	0.00017 U	mg/L
51	Compliance	E006	07/18/2024	Calcium, total	120	mg/L
51	Compliance	E006	07/18/2024	Chloride, total	100	mg/L
51	Compliance	E006	07/18/2024	Chromium, total	0.0011 U	mg/L
51	Compliance	E006	07/18/2024	Cobalt, total	0.00052 J	mg/L
51	Compliance	E006	07/18/2024	Dissolved Oxygen	0.320	mg/L
51	Compliance	E006	07/18/2024	Fluoride, total	0.150	mg/L
51	Compliance	E006	07/18/2024	Lead, total	0.000640 J+	mg/L
51	Compliance	E006	07/18/2024	Lithium, total	0.0210 J+	mg/L
51	Compliance	E006	07/18/2024	Mercury, total	0.000076 U	mg/L
51	Compliance	E006	07/18/2024	Molybdenum, total	0.00810	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024

845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
51	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-129	mV
51	Compliance	E006	07/18/2024	pH (field)	7.4	SU
51	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	1.3	pCi/L
51	Compliance	E006	07/18/2024	Selenium, total	0.00098 U	mg/L
51	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	956	micromhos/cm
51	Compliance	E006	07/18/2024	Sulfate, total	89.0	mg/L
51	Compliance	E006	07/18/2024	Temperature	13.7	degrees C
51	Compliance	E006	07/18/2024	Thallium, total	0.00057 U	mg/L
51	Compliance	E006	07/18/2024	Total Dissolved Solids	630	mg/L
51	Compliance	E006	07/18/2024	Turbidity, field	20.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
Missing Code (if applicable):
NR¹ = Select parameters were not analyzed.
NS¹ = This well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
NS³ = A sample was not collected because the location was inaccessible.
NS⁴ = The location could not be found, therefore a sample was not collected.
NS⁵ = A sample was not collected because of damage to the well.
NS⁶ = A sample was not collected because of pump issues.
NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.
PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
21/21R	UA	E006	Antimony, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
21/21R	UA	E006	Arsenic, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	0.0237	0.010	Standard	Exceedance
21/21R	UA	E006	Barium, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	0.297	2.0	Standard	No Exceedance
21/21R	UA	E006	Beryllium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
21/21R	UA	E006	Boron, total	mg/L	03/11/20 - 08/06/24	19	0	CB around linear reg	1.57	2	Standard	No Exceedance
21/21R	UA	E006	Cadmium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
21/21R	UA	E006	Chloride, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	86.9	200	Standard	No Exceedance
21/21R	UA	E006	Chromium, total	mg/L	03/11/20 - 08/06/24	19	42	CI around median	0.0015	0.1	Standard	No Exceedance
21/21R	UA	E006	Cobalt, total	mg/L	03/11/20 - 08/06/24	19	47	CI around median	0.001	0.006	Standard	No Exceedance
21/21R	UA	E006	Fluoride, total	mg/L	03/11/20 - 08/06/24	19	10	CI around median	0.14	4.0	Standard	No Exceedance
21/21R	UA	E006	Lead, total	mg/L	03/11/20 - 08/06/24	19	5	CI around mean	0.00208	0.0075	Standard	No Exceedance
21/21R	UA	E006	Lithium, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	0.0207	0.04	Standard	No Exceedance
21/21R	UA	E006	Mercury, total	mg/L	03/11/20 - 08/06/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
21/21R	UA	E006	Molybdenum, total	mg/L	03/11/20 - 08/06/24	19	5	CI around mean	0.00825	0.1	Standard	No Exceedance
21/21R	UA	E006	pH (field)	SU	03/11/20 - 08/06/24	19	0	CI around mean	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
21/21R	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/11/20 - 08/06/24	14	0	CI around mean	1.03	5	Standard	No Exceedance
21/21R	UA	E006	Selenium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
21/21R	UA	E006	Sulfate, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	87.9	400	Standard	No Exceedance
21/21R	UA	E006	Thallium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
21/21R	UA	E006	Total Dissolved Solids	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	625	1,200	Standard	No Exceedance
22	UA	E006	Antimony, total	mg/L	12/10/15 - 08/06/24	35	92	CB around T-S line	0.001	0.006	Standard	No Exceedance
22	UA	E006	Arsenic, total	mg/L	12/10/15 - 08/06/24	39	73	CI around median	0.001	0.010	Standard	No Exceedance
22	UA	E006	Barium, total	mg/L	12/10/15 - 08/06/24	35	0	CI around median	0.0628	2.0	Standard	No Exceedance
22	UA	E006	Beryllium, total	mg/L	12/10/15 - 08/06/24	35	100	All ND - Last	0.001	0.004	Standard	No Exceedance
22	UA	E006	Boron, total	mg/L	12/10/15 - 08/06/24	40	0	CB around T-S line	2.74	2	Standard	Exceedance
22	UA	E006	Cadmium, total	mg/L	12/10/15 - 08/06/24	35	8	CB around T-S line	0.00521	0.005	Standard	Exceedance
22	UA	E006	Chloride, total	mg/L	12/10/15 - 08/06/24	42	0	CB around T-S line	90.7	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
22	UA	E006	Chromium, total	mg/L	12/10/15 - 08/06/24	35	100	All ND - Last	0.005	0.1	Standard	No Exceedance
22	UA	E006	Cobalt, total	mg/L	12/10/15 - 08/06/24	35	8	CI around mean	0.00193	0.006	Standard	No Exceedance
22	UA	E006	Fluoride, total	mg/L	12/10/15 - 08/06/24	35	5	CI around median	0.15	4.0	Standard	No Exceedance
22	UA	E006	Lead, total	mg/L	12/10/15 - 08/06/24	35	97	CB around T-S line	0.001	0.0075	Standard	No Exceedance
22	UA	E006	Lithium, total	mg/L	12/10/15 - 08/06/24	39	0	CB around T-S line	0.0447	0.04	Standard	Exceedance
22	UA	E006	Mercury, total	mg/L	12/10/15 - 08/06/24	33	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
22	UA	E006	Molybdenum, total	mg/L	12/10/15 - 08/06/24	39	0	CB around T-S line	0.0546	0.1	Standard	No Exceedance
22	UA	E006	pH (field)	SU	12/10/15 - 08/06/24	38	0	CI around median	7.6/7.7	6.5/9.0	Standard/Standard	No Exceedance
22	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/10/15 - 08/06/24	26	0	CI around mean	0.369	5	Standard	No Exceedance
22	UA	E006	Selenium, total	mg/L	12/10/15 - 08/06/24	35	5	CI around mean	0.0131	0.05	Standard	No Exceedance
22	UA	E006	Sulfate, total	mg/L	12/10/15 - 08/06/24	42	0	CB around linear reg	92.8	400	Standard	No Exceedance
22	UA	E006	Thallium, total	mg/L	12/10/15 - 08/06/24	35	95	CB around T-S line	0.002	0.002	Standard	No Exceedance
22	UA	E006	Total Dissolved Solids	mg/L	12/10/15 - 08/06/24	42	0	CB around linear reg	584	1,200	Standard	No Exceedance
22D	UA	E006	Antimony, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
22D	UA	E006	Arsenic, total	mg/L	09/17/19 - 08/06/24	19	10	CI around median	0.0012	0.010	Standard	No Exceedance
22D	UA	E006	Barium, total	mg/L	09/17/19 - 08/06/24	19	0	CB around T-S line	0.0657	2.0	Standard	No Exceedance
22D	UA	E006	Beryllium, total	mg/L	09/17/19 - 08/06/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
22D	UA	E006	Boron, total	mg/L	09/17/19 - 08/06/24	19	0	CB around linear reg	1.13	2	Standard	No Exceedance
22D	UA	E006	Cadmium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
22D	UA	E006	Chloride, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	91.5	200	Standard	No Exceedance
22D	UA	E006	Chromium, total	mg/L	09/17/19 - 08/06/24	19	90	CB around T-S line	0.0015	0.1	Standard	No Exceedance
22D	UA	E006	Cobalt, total	mg/L	09/17/19 - 08/06/24	19	95	CI around median	0.001	0.006	Standard	No Exceedance
22D	UA	E006	Fluoride, total	mg/L	09/17/19 - 08/06/24	19	10	CI around median	0.11	4.0	Standard	No Exceedance
22D	UA	E006	Lead, total	mg/L	09/17/19 - 08/06/24	19	90	CI around median	0.00065	0.0075	Standard	No Exceedance
22D	UA	E006	Lithium, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.0149	0.04	Standard	No Exceedance
22D	UA	E006	Mercury, total	mg/L	12/11/19 - 08/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
22D	UA	E006	Molybdenum, total	mg/L	09/17/19 - 08/06/24	19	5	CI around geomean	0.00657	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
22D	UA	E006	pH (field)	SU	09/17/19 - 08/06/24	22	0	CI around mean	7.2/7.3	6.5/9.0	Standard/Standard	No Exceedance
22D	UA	E006	Radium 226 + Radium 228, total	pCi/L	09/17/19 - 08/06/24	16	0	CI around mean	0.771	5	Standard	No Exceedance
22D	UA	E006	Selenium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
22D	UA	E006	Sulfate, total	mg/L	09/17/19 - 08/06/24	19	0	CB around linear reg	86.3	400	Standard	No Exceedance
22D	UA	E006	Thallium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
22D	UA	E006	Total Dissolved Solids	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	611	1,200	Standard	No Exceedance
23	UA	E006	Antimony, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.003	0.006	Standard	No Exceedance
23	UA	E006	Arsenic, total	mg/L	12/10/15 - 07/18/24	39	90	CB around T-S line	0.001	0.010	Standard	No Exceedance
23	UA	E006	Barium, total	mg/L	12/10/15 - 07/18/24	35	0	CB around T-S line	0.0371	2.0	Standard	No Exceedance
23	UA	E006	Beryllium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.001	0.004	Standard	No Exceedance
23	UA	E006	Boron, total	mg/L	12/10/15 - 07/18/24	40	0	CB around T-S line	8.44	2	Standard	Exceedance
23	UA	E006	Cadmium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
23	UA	E006	Chloride, total	mg/L	12/10/15 - 07/18/24	42	1	CB around T-S line	52	200	Standard	No Exceedance
23	UA	E006	Chromium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.005	0.1	Standard	No Exceedance
23	UA	E006	Cobalt, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.001	0.006	Standard	No Exceedance
23	UA	E006	Fluoride, total	mg/L	12/10/15 - 07/18/24	35	5	CI around median	0.15	4.0	Standard	No Exceedance
23	UA	E006	Lead, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
23	UA	E006	Lithium, total	mg/L	12/10/15 - 07/18/24	39	10	CI around median	0.0048	0.04	Standard	No Exceedance
23	UA	E006	Mercury, total	mg/L	12/10/15 - 07/18/24	33	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
23	UA	E006	Molybdenum, total	mg/L	12/10/15 - 07/18/24	39	0	CI around median	0.0147	0.1	Standard	No Exceedance
23	UA	E006	pH (field)	SU	12/10/15 - 07/18/24	37	0	CI around mean	7.4/7.5	6.5/9.0	Standard/Standard	No Exceedance
23	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/10/15 - 07/18/24	26	0	CI around mean	0.257	5	Standard	No Exceedance
23	UA	E006	Selenium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
23	UA	E006	Sulfate, total	mg/L	12/10/15 - 07/18/24	42	0	CI around median	423	400	Standard	Exceedance
23	UA	E006	Thallium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.002	0.002	Standard	No Exceedance
23	UA	E006	Total Dissolved Solids	mg/L	12/10/15 - 07/18/24	42	0	CI around mean	888	1,200	Standard	No Exceedance
24/51	UA	E006	Antimony, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
24/51	UA	E006	Arsenic, total	mg/L	03/11/20 - 07/18/24	24	0	CB around linear reg	0.0199	0.010	Standard	Exceedance
24/51	UA	E006	Barium, total	mg/L	03/11/20 - 07/18/24	20	0	CI around mean	0.105	2.0	Standard	No Exceedance
24/51	UA	E006	Beryllium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
24/51	UA	E006	Boron, total	mg/L	03/11/20 - 07/18/24	24	0	CB around linear reg	0.972	2	Standard	No Exceedance
24/51	UA	E006	Cadmium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
24/51	UA	E006	Chloride, total	mg/L	03/11/20 - 07/18/24	24	0	CI around mean	98	200	Standard	No Exceedance
24/51	UA	E006	Chromium, total	mg/L	03/11/20 - 07/18/24	20	60	CI around median	0.0015	0.1	Standard	No Exceedance
24/51	UA	E006	Cobalt, total	mg/L	03/11/20 - 07/18/24	20	55	CI around median	0.001	0.006	Standard	No Exceedance
24/51	UA	E006	Fluoride, total	mg/L	03/11/20 - 07/18/24	19	10	CI around median	0.13	4.0	Standard	No Exceedance
24/51	UA	E006	Lead, total	mg/L	03/11/20 - 07/18/24	20	30	CI around geomean	0.00075	0.0075	Standard	No Exceedance
24/51	UA	E006	Lithium, total	mg/L	03/11/20 - 07/18/24	24	0	CI around median	0.023	0.04	Standard	No Exceedance
24/51	UA	E006	Mercury, total	mg/L	03/11/20 - 07/18/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
24/51	UA	E006	Molybdenum, total	mg/L	03/11/20 - 07/18/24	24	4	CB around linear reg	0.00472	0.1	Standard	No Exceedance
24/51	UA	E006	pH (field)	SU	03/11/20 - 07/18/24	19	0	CI around mean	7.3/7.4	6.5/9.0	Standard/Standard	No Exceedance
24/51	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/11/20 - 07/18/24	14	0	CI around mean	1.08	5	Standard	No Exceedance
24/51	UA	E006	Selenium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
24/51	UA	E006	Sulfate, total	mg/L	03/11/20 - 07/18/24	24	0	CB around linear reg	78.9	400	Standard	No Exceedance
24/51	UA	E006	Thallium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
24/51	UA	E006	Total Dissolved Solids	mg/L	03/11/20 - 07/18/24	24	0	CI around mean	626	1,200	Standard	No Exceedance
27	UA	E006	Antimony, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.003	0.006	Standard	No Exceedance
27	UA	E006	Arsenic, total	mg/L	09/12/18 - 08/06/24	22	62	CI around median	0.001	0.010	Standard	No Exceedance
27	UA	E006	Barium, total	mg/L	09/12/18 - 08/06/24	22	0	CI around median	0.0837	2.0	Standard	No Exceedance
27	UA	E006	Beryllium, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
27	UA	E006	Boron, total	mg/L	09/12/18 - 08/06/24	22	0	CB around linear reg	1.4	2	Standard	No Exceedance
27	UA	E006	Cadmium, total	mg/L	09/12/18 - 08/06/24	22	96	CI around median	0.001	0.005	Standard	No Exceedance
27	UA	E006	Chloride, total	mg/L	03/08/16 - 08/06/24	27	0	CB around linear reg	97.9	200	Standard	No Exceedance
27	UA	E006	Chromium, total	mg/L	09/12/18 - 08/06/24	22	79	CB around T-S line	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
27	UA	E006	Cobalt, total	mg/L	09/12/18 - 08/06/24	22	8	CI around mean	0.00203	0.006	Standard	No Exceedance
27	UA	E006	Fluoride, total	mg/L	09/12/18 - 08/06/24	22	4	CI around median	0.12	4.0	Standard	No Exceedance
27	UA	E006	Lead, total	mg/L	09/12/18 - 08/06/24	22	50	CI around median	0.001	0.0075	Standard	No Exceedance
27	UA	E006	Lithium, total	mg/L	09/12/18 - 08/06/24	22	0	CI around mean	0.0218	0.04	Standard	No Exceedance
27	UA	E006	Mercury, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
27	UA	E006	Molybdenum, total	mg/L	09/12/18 - 08/06/24	22	27	CI around median	0.0044	0.1	Standard	No Exceedance
27	UA	E006	pH (field)	SU	03/08/16 - 08/06/24	27	0	CI around mean	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
27	UA	E006	Radium 226 + Radium 228, total	pCi/L	09/12/18 - 08/06/24	16	0	CI around geomean	0.231	5	Standard	No Exceedance
27	UA	E006	Selenium, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
27	UA	E006	Sulfate, total	mg/L	03/08/16 - 08/06/24	27	0	CB around linear reg	87.3	400	Standard	No Exceedance
27	UA	E006	Thallium, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
27	UA	E006	Total Dissolved Solids	mg/L	03/08/16 - 08/06/24	27	0	CI around median	642	1,200	Standard	No Exceedance
35	UA	E006	Antimony, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.003	0.006	Standard	No Exceedance
35	UA	E006	Arsenic, total	mg/L	12/09/15 - 08/06/24	34	76	CI around median	0.001	0.010	Standard	No Exceedance
35	UA	E006	Barium, total	mg/L	12/09/15 - 08/06/24	34	0	CI around mean	0.041	2.0	Standard	No Exceedance
35	UA	E006	Beryllium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.001	0.004	Standard	No Exceedance
35	UA	E006	Boron, total	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	11.4	2	Standard	Exceedance
35	UA	E006	Cadmium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.0005	0.005	Standard	No Exceedance
35	UA	E006	Chloride, total	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	18.7	200	Standard	No Exceedance
35	UA	E006	Chromium, total	mg/L	12/09/15 - 08/06/24	34	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
35	UA	E006	Cobalt, total	mg/L	12/09/15 - 08/06/24	34	41	CI around median	0.001	0.006	Standard	No Exceedance
35	UA	E006	Fluoride, total	mg/L	12/09/15 - 08/06/24	35	3	CI around median	0.17	4.0	Standard	No Exceedance
35	UA	E006	Lead, total	mg/L	12/09/15 - 08/06/24	34	91	CB around T-S line	0.000774	0.0075	Standard	No Exceedance
35	UA	E006	Lithium, total	mg/L	12/09/15 - 08/06/24	34	0	CI around mean	0.0243	0.04	Standard	No Exceedance
35	UA	E006	Mercury, total	mg/L	12/09/15 - 08/06/24	33	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
35	UA	E006	Molybdenum, total	mg/L	12/09/15 - 08/06/24	34	0	CI around mean	0.0656	0.1	Standard	No Exceedance
35	UA	E006	pH (field)	SU	12/09/15 - 08/06/24	35	0	CB around linear reg	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
35	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 08/06/24	27	0	CI around median	0.31	5	Standard	No Exceedance
35	UA	E006	Selenium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
35	UA	E006	Sulfate, total	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	667	400	Standard	Exceedance
35	UA	E006	Thallium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.002	0.002	Standard	No Exceedance
35	UA	E006	Total Dissolved Solids	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	1,290	1,200	Standard	Exceedance
49	UA	E006	Antimony, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.003	0.006	Standard	No Exceedance
49	UA	E006	Arsenic, total	mg/L	12/10/15 - 08/06/24	34	97	CI around median	0.001	0.010	Standard	No Exceedance
49	UA	E006	Barium, total	mg/L	12/10/15 - 08/06/24	34	0	CB around T-S line	0.0617	2.0	Standard	No Exceedance
49	UA	E006	Beryllium, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.001	0.004	Standard	No Exceedance
49	UA	E006	Boron, total	mg/L	12/10/15 - 08/06/24	35	0	CB around linear reg	0.439	2	Standard	No Exceedance
49	UA	E006	Cadmium, total	mg/L	12/10/15 - 08/06/24	34	26	CB around linear reg	0.00144	0.005	Standard	No Exceedance
49	UA	E006	Chloride, total	mg/L	12/10/15 - 08/06/24	35	0	CI around median	100	200	Standard	No Exceedance
49	UA	E006	Chromium, total	mg/L	12/10/15 - 08/06/24	34	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
49	UA	E006	Cobalt, total	mg/L	12/10/15 - 08/06/24	34	0	CI around mean	0.00434	0.006	Standard	No Exceedance
49	UA	E006	Fluoride, total	mg/L	12/10/15 - 08/06/24	35	3	CI around median	0.15	4.0	Standard	No Exceedance
49	UA	E006	Lead, total	mg/L	12/10/15 - 08/06/24	34	91	CI around median	0.001	0.0075	Standard	No Exceedance
49	UA	E006	Lithium, total	mg/L	12/10/15 - 08/06/24	34	0	CI around mean	0.024	0.04	Standard	No Exceedance
49	UA	E006	Mercury, total	mg/L	12/10/15 - 08/06/24	33	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
49	UA	E006	Molybdenum, total	mg/L	12/10/15 - 08/06/24	34	0	CB around T-S line	0.0202	0.1	Standard	No Exceedance
49	UA	E006	pH (field)	SU	12/10/15 - 08/06/24	36	0	CI around mean	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
49	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/10/15 - 08/06/24	27	0	CI around mean	0.364	5	Standard	No Exceedance
49	UA	E006	Selenium, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
49	UA	E006	Sulfate, total	mg/L	12/10/15 - 08/06/24	35	0	CB around linear reg	68.9	400	Standard	No Exceedance
49	UA	E006	Thallium, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.002	0.002	Standard	No Exceedance
49	UA	E006	Total Dissolved Solids	mg/L	12/10/15 - 08/06/24	35	0	CB around linear reg	576	1,200	Standard	No Exceedance
50	UA	E006	Antimony, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
50	UA	E006	Arsenic, total	mg/L	09/17/19 - 08/06/24	19	90	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
50	UA	E006	Barium, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.0862	2.0	Standard	No Exceedance
50	UA	E006	Beryllium, total	mg/L	09/17/19 - 08/06/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
50	UA	E006	Boron, total	mg/L	09/17/19 - 08/06/24	19	0	CI around median	0.696	2	Standard	No Exceedance
50	UA	E006	Cadmium, total	mg/L	09/17/19 - 08/06/24	19	5	CI around median	0.0011	0.005	Standard	No Exceedance
50	UA	E006	Chloride, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	87.1	200	Standard	No Exceedance
50	UA	E006	Chromium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.005	0.1	Standard	No Exceedance
50	UA	E006	Cobalt, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.00412	0.006	Standard	No Exceedance
50	UA	E006	Fluoride, total	mg/L	09/17/19 - 08/06/24	19	21	CI around median	0.11	4.0	Standard	No Exceedance
50	UA	E006	Lead, total	mg/L	09/17/19 - 08/06/24	19	95	CB around T-S line	0.000656	0.0075	Standard	No Exceedance
50	UA	E006	Lithium, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.0199	0.04	Standard	No Exceedance
50	UA	E006	Mercury, total	mg/L	12/11/19 - 08/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
50	UA	E006	Molybdenum, total	mg/L	09/17/19 - 08/06/24	19	0	CI around geomean	0.0299	0.1	Standard	No Exceedance
50	UA	E006	pH (field)	SU	09/17/19 - 08/06/24	22	0	CB around linear reg	7.3/7.6	6.5/9.0	Standard/Standard	No Exceedance
50	UA	E006	Radium 226 + Radium 228, total	pCi/L	09/17/19 - 08/06/24	15	0	CI around mean	0.607	5	Standard	No Exceedance
50	UA	E006	Selenium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
50	UA	E006	Sulfate, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	88.8	400	Standard	No Exceedance
50	UA	E006	Thallium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
50	UA	E006	Total Dissolved Solids	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	610	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter

Missing Code (if applicable):

NR¹ = Select parameters were not analyzed.

NS¹ = This well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance, therefore, a sample was not collected.

NS³ = A sample was not collected because the location was inaccessible.

NS⁴ = The location could not be found, therefore a sample was not collected.

NS⁵ = A sample was not collected because of damage to the well.

NS⁶ = A sample was not collected because of pump issues.

NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.

PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

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

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

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

GWPS = Groundwater Protection Standard

GWPS Source:

Background = background concentration

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

FIGURES



- COMPLIANCE WELL
- BACKGROUND WELL
- REGULATED UNIT (SUBJECT UNIT)
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 200 400
Feet

MONITORING WELL LOCATION
MAP

WEST ASH POND SYSTEM
HENNEPIN POWER PLANT
HENNEPIN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
21R	Compliance	07/15/2024	5.81	446.41
22	Compliance	07/15/2024	18.39	446.23
22D	Compliance	07/15/2024	19.11	446.49
23	Compliance	07/15/2024	16.82	446.74
27	Compliance	07/15/2024	4.12	446.63
32	Background	07/15/2024	5.01	446.54
34	Background	07/15/2024	6.67	443.06
35	Compliance	07/15/2024	8.25	446.64
49	Compliance	07/15/2024	21.50	446.77
50	Compliance	07/15/2024	18.11	446.00
51	Compliance	07/15/2024	18.29	446.59

Notes:
BMP = below measuring point
Missing Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was was not measured due to malfunctioning pressure transducer.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 3, 2024**

ANALYTICAL REPORT

PREPARED FOR

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

Generated 08/28/24 09:33:37

JOB DESCRIPTION

HEN-24Q3
HEN_845_804

JOB NUMBER

500-253560-11

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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08/28/24 09:33:37

Authorized for release by
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Client: Vistra Energy Corp
Project: HEN-24Q3

Job ID: 500-253560-11

Job ID: 500-253560-11

Eurofins Chicago

**Job Narrative
500-253560-11**

Receipt

The samples were received on 07/16/24 13:05. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 18 coolers at receipt time were -0.2° C, 0.8° C, 0.9° C, 0.9° C, 1.6° C, 1.7° C, 3.1° C, 4.0° C, 4.2° C, 5.7° C, 5.7° C, 5.7° C, 5.9° C, 9.1° C, 11.3° C, 11.8° C, 11.8° C and 12.7° C.

Receipt Exceptions

Received bottles for samples 28 & 32 marked out on the COC, logged them in. HEN_27 (500-253560-28) and HEN_35_FD (500-253560-32)

The following samples from the July sampling event were received at the laboratory outside the required temperature criteria: HEN_17 (500-253560-24), HEN_21R (500-253560-25), HEN_21R_MS (500-253560-25[MS]), HEN_21R_MS (500-253560-25[MSD]), HEN_22 (500-253560-26), HEN_22&D (500-253560-27), HEN_27 (500-253560-28), HEN_32 (500-253560-29), HEN_34 (500-253560-30), HEN_35 (500-253560-31), HEN_35_FD (500-253560-32), HEN_46 (500-253560-33), HEN_47 (500-253560-34), HEN_49 (500-253560-35), HEN_49_MS (500-253560-35[MS]), HEN_49_MS (500-253560-35[MSD]), HEN_50 (500-253560-36), HEN_52 (500-253560-37), HEN_54 (500-253560-38) and HEN_54_FD (500-253560-39). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to cancel analysis, pending resampling.

Affected samples were recollected on 08/06/24 and added to the existing login to report together.

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): HEN_FB (500-253560-40) Sample date added to COC to match date of collection of other samples turned in on the COC, default sample time of 00:00 recorded.

Method Field Sampling: Field Conductivity for the following samples was recorded on the field forms in ms (mmhos) instead of the usual us (umhos). Results have been converted to umhos to maintain consistency in reporting. HEN_23 (500-253560-19), HEN_51 (500-253560-21), HEN_21R (500-253560-25), HEN_22 (500-253560-26), HEN_22&D (500-253560-27), HEN_27 (500-253560-28), HEN_32 (500-253560-29), HEN_34 (500-253560-30), HEN_35 (500-253560-31), HEN_35_FD (500-253560-32), HEN_49 (500-253560-35) and HEN_50 (500-253560-36)

Metals

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

General Chemistry

Method SM 2320B: The method blank for analytical batch 500-779286 contained Alkalinity above the reporting limit (RL). Associated sample(s) were not re-analyzed because results were greater than 10X the value found in the method blank.

Method SM 2320B: The method blank for analytical batch 500-781414 contained Alkalinity and Bicarbonate Alkalinity as CaCO₃ above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 2320B: The method blank for analytical batch 500-781135 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 500-779304 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: The method blank for analytical batch 500-780474 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.

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

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
HEN_845_804
SDG: HEN_845_804

Client Sample ID: HEN_23

Lab Sample ID: 500-253560-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.0046	J B	0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.00065	J	0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.040		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	9.2	B	0.50	0.13	mg/L	10			6020B	Total Recoverable
Calcium	110		0.20	0.044	mg/L	1			6020B	Total Recoverable
Magnesium	82		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.014		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	3.2		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	41		0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	54		10	1.2	mg/L	10			300.0	Total/NA
Sulfate	460		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	170	B	5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	940		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.17		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	16.51				ft	1			Field Sampling	Total/NA
Field pH	7.51				SU	1			Field Sampling	Total/NA
Field Temperature	13.6				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	-78.1				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.15				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1066				umhos/cm	1			Field Sampling	Total/NA
Turbidity	6.86				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_51

Lab Sample ID: 500-253560-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.021	B	0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.023		0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.10		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	1.5	B	0.25	0.064	mg/L	5			6020B	Total Recoverable
Calcium	120		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	0.00064		0.00050	0.00019	mg/L	1			6020B	Total Recoverable
Magnesium	41		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.0081		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	7.3		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	56		0.20	0.077	mg/L	1			6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_51 (Continued)

Lab Sample ID: 500-253560-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	100		10	1.2	mg/L	10		300.0	Total/NA
Sulfate	89		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	350		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	0.15		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	17.88				ft	1		Field Sampling	Total/NA
Field pH	7.38				SU	1		Field Sampling	Total/NA
Field Temperature	13.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-129.1				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.32				mg/L	1		Field Sampling	Total/NA
Specific Conductance	956				umhos/cm	1		Field Sampling	Total/NA
Turbidity	20.04				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_21R

Lab Sample ID: 500-253560-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.027		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.023		0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.28		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.2	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0012	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.00051	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00094		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	42		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0086		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	3.1		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	58		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	93	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	82		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	380	B	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	0.17		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	6.11				ft	1		Field Sampling	Total/NA
Field pH	7.42				SU	1		Field Sampling	Total/NA
Field Temperature	13.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-139.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.77				mg/L	1		Field Sampling	Total/NA
Specific Conductance	969				umhos/cm	1		Field Sampling	Total/NA
Turbidity	21.59				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_22

Lab Sample ID: 500-253560-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.052		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
Arsenic	0.00079	J	0.0010	0.00023	mg/L	1			6020B	Recoverable Total
Barium	0.058		0.0025	0.00073	mg/L	1			6020B	Recoverable Total
Boron	3.1	B	0.050	0.013	mg/L	1			6020B	Recoverable Total
Cadmium	0.0047		0.00050	0.00017	mg/L	1			6020B	Recoverable Total
Calcium	96		0.20	0.044	mg/L	1			6020B	Recoverable Total
Cobalt	0.0020		0.0010	0.00040	mg/L	1			6020B	Recoverable Total
Lead	0.00040	J	0.00050	0.00019	mg/L	1			6020B	Recoverable Total
Magnesium	37		0.20	0.049	mg/L	1			6020B	Recoverable Total
Molybdenum	0.069		0.0050	0.0025	mg/L	1			6020B	Recoverable Total
Potassium	11		0.50	0.11	mg/L	1			6020B	Recoverable Total
Selenium	0.012		0.0025	0.00098	mg/L	1			6020B	Recoverable Total
Sodium	63		0.20	0.077	mg/L	1			6020B	Recoverable Total
Chloride	91	B	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	270	B	5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	640		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.16		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	18.58				ft	1			Field Sampling	Total/NA
Field pH	7.53				SU	1			Field Sampling	Total/NA
Field Temperature	15.9				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	55.4				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	3.16				mg/L	1			Field Sampling	Total/NA
Specific Conductance	869				umhos/cm	1			Field Sampling	Total/NA
Turbidity	1.17				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_22&D

Lab Sample ID: 500-253560-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.016		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total
Arsenic	0.0010		0.0010	0.00023	mg/L	1			6020B	Recoverable Total
Barium	0.068		0.0025	0.00073	mg/L	1			6020B	Recoverable Total
Boron	1.5	B	0.050	0.013	mg/L	1			6020B	Recoverable Total
Calcium	120		0.20	0.044	mg/L	1			6020B	Recoverable Total
Magnesium	42		0.20	0.049	mg/L	1			6020B	Recoverable Total
Molybdenum	0.0063		0.0050	0.0025	mg/L	1			6020B	Recoverable Total

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_22&D (Continued)

Lab Sample ID: 500-253560-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	3.3		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	55		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	98	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	93		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	350	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	680		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.11		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	20.0				ft	1		Field Sampling	Total/NA
Field pH	7.22				SU	1		Field Sampling	Total/NA
Field Temperature	16.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-82.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.94				mg/L	1		Field Sampling	Total/NA
Specific Conductance	951				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.24				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_27

Lab Sample ID: 500-253560-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.025		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00086	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.083		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.2	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00022	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0027		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00076		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	38		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0043	J	0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	3.9		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	61		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	96	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	350	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	690		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.13		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	4.46				ft	1		Field Sampling	Total/NA
Field pH	7.11				SU	1		Field Sampling	Total/NA
Field Temperature	12.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-14.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.11				mg/L	1		Field Sampling	Total/NA
Specific Conductance	949				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-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNERIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
HEN 24 Q3
SDG: HEN_845_804

Client Sample ID: HEN_27 (Continued)

Lab Sample ID: 500-253560-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	6.57				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_32

Lab Sample ID: 500-253560-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0044	J	0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.038		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.21	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00018	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	100		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00079	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	39		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.5		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	44		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	77	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	60		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	310	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	0.13		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	5.48				ft	1		Field Sampling	Total/NA
Field pH	7.06				SU	1		Field Sampling	Total/NA
Field Temperature	13.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	68.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.62				mg/L	1		Field Sampling	Total/NA
Specific Conductance	817				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.25				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_34

Lab Sample ID: 500-253560-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.015		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00044	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.11		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.16	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	160		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0013	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Lead	0.00034	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	47		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-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNERIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_34 (Continued)

Lab Sample ID: 500-253560-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	0.43	J	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	58		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	70	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	49		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	560	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	800		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.16		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	8.25				ft	1		Field Sampling	Total/NA
Field pH	6.99				SU	1		Field Sampling	Total/NA
Field Temperature	13.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-101.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.15				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1082				umhos/cm	1		Field Sampling	Total/NA
Turbidity	13.79				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_35

Lab Sample ID: 500-253560-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.026		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00034	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	16	B	0.50	0.13	mg/L	10		6020B	Total Recoverable
Cadmium	0.00043	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	420		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00077	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	49		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.069		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	14		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	22		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	13	B	1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	1100		100	21	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	240	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1900		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.16		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	8.39				ft	1		Field Sampling	Total/NA
Field pH	6.85				SU	1		Field Sampling	Total/NA
Field Temperature	15.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	114.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.14				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1723				umhos/cm	1		Field Sampling	Total/NA
Turbidity	9.47				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNERIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_35_FD

Lab Sample ID: 500-253560-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.027		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00038	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	17	B	0.50	0.13	mg/L	10		6020B	Total Recoverable
Cadmium	0.00042	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	410		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.00080	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	48		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.068		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	13		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	22		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	13	B	1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	1100		100	21	mg/L	100		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	240	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1800		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.16		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	8.39				ft	1		Field Sampling	Total/NA
Field pH	6.85				SU	1		Field Sampling	Total/NA
Field Temperature	15.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	114.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.14				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1723				umhos/cm	1		Field Sampling	Total/NA
Turbidity	9.47				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_49

Lab Sample ID: 500-253560-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.025		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.060		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.71	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.0013		0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	110		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0032		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00020	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	37		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.022		0.0050	0.0025	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-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNERIN POWER PLANT, WEST ASH POND SYSTEM

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_49 (Continued)

Lab Sample ID: 500-253560-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	12		0.50	0.11	mg/L	1		6020B	Total
									Recoverable
Sodium	64		0.20	0.077	mg/L	1		6020B	Total
									Recoverable
Chloride	110	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	80		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	330	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	640		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.17		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	22.71				ft	1		Field Sampling	Total/NA
Field pH	7.03				SU	1		Field Sampling	Total/NA
Field Temperature	15.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	59.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.18				mg/L	1		Field Sampling	Total/NA
Specific Conductance	939				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.30				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_50

Lab Sample ID: 500-253560-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.024		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
									Recoverable
Arsenic	0.00056	J	0.0010	0.00023	mg/L	1		6020B	Total
									Recoverable
Barium	0.087		0.0025	0.00073	mg/L	1		6020B	Total
									Recoverable
Boron	0.72	B	0.050	0.013	mg/L	1		6020B	Total
									Recoverable
Cadmium	0.00096		0.00050	0.00017	mg/L	1		6020B	Total
									Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total
									Recoverable
Cobalt	0.0037		0.0010	0.00040	mg/L	1		6020B	Total
									Recoverable
Magnesium	34		0.20	0.049	mg/L	1		6020B	Total
									Recoverable
Molybdenum	0.033		0.0050	0.0025	mg/L	1		6020B	Total
									Recoverable
Potassium	9.6		0.50	0.11	mg/L	1		6020B	Total
									Recoverable
Sodium	65		0.20	0.077	mg/L	1		6020B	Total
									Recoverable
Chloride	90	B	5.0	0.58	mg/L	5		300.0	Total/NA
Sulfate	92		5.0	1.0	mg/L	5		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	340	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	610		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.11		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	18.37				ft	1		Field Sampling	Total/NA
Field pH	7.37				SU	1		Field Sampling	Total/NA
Field Temperature	16.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	136.6				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.00				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1175				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.35				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_FB

Lab Sample ID: 500-253560-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.029	J B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Chloride	0.15	J B	1.0	0.12	mg/L	1		300.0	Total/NA
Sulfate	0.24	J	1.0	0.21	mg/L	1		300.0	Total/NA
Total Dissolved Solids	6.0	J	10	4.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: HEN_YSG_ILRIVER

Lab Sample ID: 500-253560-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	5.25				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-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

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-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-253560-19	HEN_23	Water	07/18/24 09:45	07/18/24 13:00
500-253560-21	HEN_51	Water	07/18/24 10:25	07/18/24 13:00
500-253560-25	HEN_21R	Water	08/06/24 13:15	08/07/24 09:05
500-253560-26	HEN_22	Water	08/06/24 15:50	08/07/24 09:05
500-253560-27	HEN_22&D	Water	08/06/24 15:15	08/07/24 09:05
500-253560-28	HEN_27	Water	08/06/24 10:45	08/07/24 09:05
500-253560-29	HEN_32	Water	08/06/24 10:00	08/07/24 09:05
500-253560-30	HEN_34	Water	08/06/24 09:10	08/07/24 09:05
500-253560-31	HEN_35	Water	08/06/24 11:35	08/07/24 09:05
500-253560-32	HEN_35_FD	Water	08/06/24 11:35	08/07/24 09:05
500-253560-35	HEN_49	Water	08/06/24 14:20	08/07/24 09:05
500-253560-36	HEN_50	Water	08/06/24 15:35	08/07/24 09:05
500-253560-40	HEN_FB	Water	08/06/24 00:00	08/07/24 09:05
500-253560-49	HEN_YSG_ILRIVER	Water	07/15/24 12:30	07/16/24 13:05

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_23

Lab Sample ID: 500-253560-19

Date Collected: 07/18/24 09:45

Matrix: Water

Date Received: 07/18/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0046	J B	0.0050	0.0020	mg/L		07/30/24 08:33	07/31/24 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		07/22/24 15:20	07/24/24 15:26	1
Arsenic	0.00065	J	0.0010	0.00023	mg/L		07/22/24 15:20	07/24/24 15:26	1
Barium	0.040		0.0025	0.00073	mg/L		07/22/24 15:20	07/24/24 15:26	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		07/22/24 15:20	07/23/24 14:24	1
Boron	9.2	B	0.50	0.13	mg/L		07/22/24 15:20	07/25/24 11:18	10
Cadmium	<0.00050		0.00050	0.00017	mg/L		07/22/24 15:20	07/24/24 15:26	1
Calcium	110		0.20	0.044	mg/L		07/22/24 15:20	07/24/24 15:26	1
Chromium	<0.0050		0.0050	0.0011	mg/L		07/22/24 15:20	07/24/24 15:26	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		07/22/24 15:20	07/23/24 14:24	1
Lead	<0.00050		0.00050	0.00019	mg/L		07/22/24 15:20	07/24/24 15:26	1
Magnesium	82		0.20	0.049	mg/L		07/22/24 15:20	07/24/24 15:26	1
Molybdenum	0.014		0.0050	0.0025	mg/L		07/22/24 15:20	07/24/24 15:26	1
Potassium	3.2		0.50	0.11	mg/L		07/22/24 15:20	07/24/24 15:26	1
Selenium	<0.0025		0.0025	0.00098	mg/L		07/22/24 15:20	07/24/24 15:26	1
Sodium	41		0.20	0.077	mg/L		07/22/24 15:20	07/23/24 14:24	1
Thallium	<0.0020		0.0020	0.00057	mg/L		07/22/24 15:20	07/24/24 15:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		07/30/24 11:35	07/31/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	54		10	1.2	mg/L			08/01/24 10:26	10
Sulfate (EPA 300.0)	460		10	2.1	mg/L			08/01/24 10:26	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	170	B	5.0	3.7	mg/L			07/30/24 20:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			07/30/24 20:04	1
Total Dissolved Solids (SM 2540C)	940		10	4.3	mg/L			07/23/24 23:03	1
Fluoride (SM 4500 F C)	0.17		0.10	0.056	mg/L			07/23/24 15:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	16.51				ft			07/18/24 09:45	1
Field pH	7.51				SU			07/18/24 09:45	1
Field Temperature	13.6				Degrees C			07/18/24 09:45	1
Oxidation Reduction Potential	-78.1				millivolts			07/18/24 09:45	1
Oxygen, Dissolved	0.15				mg/L			07/18/24 09:45	1
Specific Conductance	1066				umhos/cm			07/18/24 09:45	1
Turbidity	6.86				NTU			07/18/24 09:45	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_51

Lab Sample ID: 500-253560-21

Date Collected: 07/18/24 10:25

Matrix: Water

Date Received: 07/18/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.021	B	0.0050	0.0020	mg/L		07/30/24 08:33	07/31/24 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		07/22/24 15:20	07/24/24 15:46	1
Arsenic	0.023		0.0010	0.00023	mg/L		07/22/24 15:20	07/24/24 15:46	1
Barium	0.10		0.0025	0.00073	mg/L		07/22/24 15:20	07/24/24 15:46	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		07/22/24 15:20	07/23/24 14:40	1
Boron	1.5	B	0.25	0.064	mg/L		07/22/24 15:20	07/25/24 11:27	5
Cadmium	<0.00050		0.00050	0.00017	mg/L		07/22/24 15:20	07/24/24 15:46	1
Calcium	120		0.20	0.044	mg/L		07/22/24 15:20	07/24/24 15:46	1
Chromium	<0.0050		0.0050	0.0011	mg/L		07/22/24 15:20	07/24/24 15:46	1
Cobalt	0.00052	J	0.0010	0.00040	mg/L		07/22/24 15:20	07/23/24 14:40	1
Lead	0.00064		0.00050	0.00019	mg/L		07/22/24 15:20	07/24/24 15:46	1
Magnesium	41		0.20	0.049	mg/L		07/22/24 15:20	07/24/24 15:46	1
Molybdenum	0.0081		0.0050	0.0025	mg/L		07/22/24 15:20	07/24/24 15:46	1
Potassium	7.3		0.50	0.11	mg/L		07/22/24 15:20	07/24/24 15:46	1
Selenium	<0.0025		0.0025	0.00098	mg/L		07/22/24 15:20	07/24/24 15:46	1
Sodium	56		0.20	0.077	mg/L		07/22/24 15:20	07/23/24 14:40	1
Thallium	<0.0020		0.0020	0.00057	mg/L		07/22/24 15:20	07/24/24 15:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		07/30/24 11:35	07/31/24 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	100		10	1.2	mg/L			08/01/24 11:44	10
Sulfate (EPA 300.0)	89		10	2.1	mg/L			08/01/24 11:44	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	350		5.0	3.7	mg/L			07/30/24 21:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			07/30/24 21:36	1
Total Dissolved Solids (SM 2540C)	630		10	4.3	mg/L			07/23/24 23:09	1
Fluoride (SM 4500 F C)	0.15		0.10	0.056	mg/L			07/23/24 15:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	17.88				ft			07/18/24 10:25	1
Field pH	7.38				SU			07/18/24 10:25	1
Field Temperature	13.7				Degrees C			07/18/24 10:25	1
Oxidation Reduction Potential	-129.1				millivolts			07/18/24 10:25	1
Oxygen, Dissolved	0.32				mg/L			07/18/24 10:25	1
Specific Conductance	956				umhos/cm			07/18/24 10:25	1
Turbidity	20.04				NTU			07/18/24 10:25	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_21R

Lab Sample ID: 500-253560-25

Date Collected: 08/06/24 13:15

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.027		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:15	1
Arsenic	0.023		0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:15	1
Barium	0.28		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:15	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:15	1
Boron	2.2	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:27	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:15	1
Calcium	130		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:15	1
Chromium	0.0012	J	0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:15	1
Cobalt	0.00051	J	0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:15	1
Lead	0.00094		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:15	1
Magnesium	42		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:15	1
Molybdenum	0.0086		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:15	1
Potassium	3.1		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:15	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:15	1
Sodium	58		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:15	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 06:39	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			08/08/24 14:31	5
Sulfate (EPA 300.0)	82		5.0	1.0	mg/L			08/08/24 14:31	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380	B	5.0	3.7	mg/L			08/12/24 18:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/12/24 18:01	1
Total Dissolved Solids (SM 2540C)	670		10	4.3	mg/L			08/07/24 23:05	1
Fluoride (SM 4500 F C)	0.17		0.10	0.056	mg/L			08/15/24 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)	6.11				ft			08/06/24 13:15	1
Field pH	7.42				SU			08/06/24 13:15	1
Field Temperature	13.9				Degrees C			08/06/24 13:15	1
Oxidation Reduction Potential	-139.5				millivolts			08/06/24 13:15	1
Oxygen, Dissolved	3.77				mg/L			08/06/24 13:15	1
Specific Conductance	969				umhos/cm			08/06/24 13:15	1
Turbidity	21.59				NTU			08/06/24 13:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_22

Lab Sample ID: 500-253560-26

Date Collected: 08/06/24 15:50

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.052		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:27	1
Arsenic	0.00079	J	0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:27	1
Barium	0.058		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:27	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:27	1
Boron	3.1	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:39	1
Cadmium	0.0047		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:27	1
Calcium	96		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:27	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:27	1
Cobalt	0.0020		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:27	1
Lead	0.00040	J	0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:27	1
Magnesium	37		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:27	1
Molybdenum	0.069		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:27	1
Potassium	11		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:27	1
Selenium	0.012		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:27	1
Sodium	63		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:27	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 06:48	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			08/08/24 15:18	5
Sulfate (EPA 300.0)	120		5.0	1.0	mg/L			08/08/24 15:18	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270	B	5.0	3.7	mg/L			08/12/24 19:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/12/24 19:48	1
Total Dissolved Solids (SM 2540C)	640		10	4.3	mg/L			08/07/24 23:13	1
Fluoride (SM 4500 F C)	0.16		0.10	0.056	mg/L			08/15/24 14:29	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	18.58				ft			08/06/24 15:50	1
Field pH	7.53				SU			08/06/24 15:50	1
Field Temperature	15.9				Degrees C			08/06/24 15:50	1
Oxidation Reduction Potential	55.4				millivolts			08/06/24 15:50	1
Oxygen, Dissolved	3.16				mg/L			08/06/24 15:50	1
Specific Conductance	869				umhos/cm			08/06/24 15:50	1
Turbidity	1.17				NTU			08/06/24 15:50	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_22&D

Lab Sample ID: 500-253560-27

Date Collected: 08/06/24 15:15

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.016		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:34	1
Arsenic	0.0010		0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:34	1
Barium	0.068		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:34	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:34	1
Boron	1.5	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:34	1
Calcium	120		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:34	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:34	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:34	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:34	1
Magnesium	42		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:34	1
Molybdenum	0.0063		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:34	1
Potassium	3.3		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:34	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:34	1
Sodium	55		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:34	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 06:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	98	B	5.0	0.58	mg/L			08/08/24 15:33	5
Sulfate (EPA 300.0)	93		5.0	1.0	mg/L			08/08/24 15:33	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	350	B	5.0	3.7	mg/L			08/12/24 19:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/12/24 19:57	1
Total Dissolved Solids (SM 2540C)	680		10	4.3	mg/L			08/07/24 23:18	1
Fluoride (SM 4500 F C)	0.11		0.10	0.056	mg/L			08/15/24 14:34	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	20.0				ft			08/06/24 15:15	1
Field pH	7.22				SU			08/06/24 15:15	1
Field Temperature	16.5				Degrees C			08/06/24 15:15	1
Oxidation Reduction Potential	-82.2				millivolts			08/06/24 15:15	1
Oxygen, Dissolved	0.94				mg/L			08/06/24 15:15	1
Specific Conductance	951				umhos/cm			08/06/24 15:15	1
Turbidity	3.24				NTU			08/06/24 15:15	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_27

Lab Sample ID: 500-253560-28

Date Collected: 08/06/24 10:45

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.025		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:36	1
Arsenic	0.00086	J	0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:36	1
Barium	0.083		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:36	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:36	1
Boron	2.2	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:43	1
Cadmium	0.00022	J	0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:36	1
Calcium	130		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:36	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:36	1
Cobalt	0.0027		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:36	1
Lead	0.00076		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:36	1
Magnesium	38		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:36	1
Molybdenum	0.0043	J	0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:36	1
Potassium	3.9		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:36	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:36	1
Sodium	61		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:36	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 06:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	96	B	5.0	0.58	mg/L			08/08/24 15:49	5
Sulfate (EPA 300.0)	100		5.0	1.0	mg/L			08/08/24 15:49	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	350	B	5.0	3.7	mg/L			08/12/24 20:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/12/24 20:10	1
Total Dissolved Solids (SM 2540C)	690		10	4.3	mg/L			08/07/24 23:21	1
Fluoride (SM 4500 F C)	0.13		0.10	0.056	mg/L			08/15/24 14:39	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	4.46				ft			08/06/24 10:45	1
Field pH	7.11				SU			08/06/24 10:45	1
Field Temperature	12.7				Degrees C			08/06/24 10:45	1
Oxidation Reduction Potential	-14.7				millivolts			08/06/24 10:45	1
Oxygen, Dissolved	0.11				mg/L			08/06/24 10:45	1
Specific Conductance	949				umhos/cm			08/06/24 10:45	1
Turbidity	6.57				NTU			08/06/24 10:45	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_32

Lab Sample ID: 500-253560-29

Date Collected: 08/06/24 10:00

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0044	J	0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:38	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:38	1
Barium	0.038		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:38	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:38	1
Boron	0.21	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:45	1
Cadmium	0.00018	J	0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:38	1
Calcium	100		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:38	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:38	1
Cobalt	0.00079	J	0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:38	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:38	1
Magnesium	39		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:38	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:38	1
Potassium	2.5		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:38	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:38	1
Sodium	44		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:38	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 06:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	77	B	5.0	0.58	mg/L			08/08/24 16:04	5
Sulfate (EPA 300.0)	60		5.0	1.0	mg/L			08/08/24 16:04	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	310	B	5.0	3.7	mg/L			08/13/24 14:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 14:27	1
Total Dissolved Solids (SM 2540C)	580		10	4.3	mg/L			08/07/24 23:23	1
Fluoride (SM 4500 F C)	0.13		0.10	0.056	mg/L			08/15/24 14:43	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	5.48				ft			08/06/24 10:00	1
Field pH	7.06				SU			08/06/24 10:00	1
Field Temperature	13.4				Degrees C			08/06/24 10:00	1
Oxidation Reduction Potential	68.4				millivolts			08/06/24 10:00	1
Oxygen, Dissolved	0.62				mg/L			08/06/24 10:00	1
Specific Conductance	817				umhos/cm			08/06/24 10:00	1
Turbidity	2.25				NTU			08/06/24 10:00	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_34

Lab Sample ID: 500-253560-30

Date Collected: 08/06/24 09:10

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.015		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:41	1
Arsenic	0.00044	J	0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:41	1
Barium	0.11		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:41	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:41	1
Boron	0.16	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:48	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:41	1
Calcium	160		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:41	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:41	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:41	1
Lead	0.00034	J	0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:41	1
Magnesium	47		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:41	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:41	1
Potassium	0.43	J	0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:41	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:41	1
Sodium	58		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:41	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 07:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	70	B	5.0	0.58	mg/L			08/08/24 16:51	5
Sulfate (EPA 300.0)	49		5.0	1.0	mg/L			08/08/24 16:51	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	560	B	5.0	3.7	mg/L			08/13/24 14:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 14:37	1
Total Dissolved Solids (SM 2540C)	800		10	4.3	mg/L			08/07/24 23:26	1
Fluoride (SM 4500 F C)	0.16		0.10	0.056	mg/L			08/15/24 15:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.25				ft			08/06/24 09:10	1
Field pH	6.99				SU			08/06/24 09:10	1
Field Temperature	13.0				Degrees C			08/06/24 09:10	1
Oxidation Reduction Potential	-101.7				millivolts			08/06/24 09:10	1
Oxygen, Dissolved	0.15				mg/L			08/06/24 09:10	1
Specific Conductance	1082				umhos/cm			08/06/24 09:10	1
Turbidity	13.79				NTU			08/06/24 09:10	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_35

Lab Sample ID: 500-253560-31

Date Collected: 08/06/24 11:35

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.026		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:43	1
Arsenic	0.00034	J	0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:43	1
Barium	0.051		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:43	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:43	1
Boron	16	B	0.50	0.13	mg/L		08/08/24 09:16	08/12/24 14:54	10
Cadmium	0.00043	J	0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:43	1
Calcium	420		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:43	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:43	1
Cobalt	0.00077	J	0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:43	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:43	1
Magnesium	49		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:43	1
Molybdenum	0.069		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:43	1
Potassium	14		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:43	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:43	1
Sodium	22		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:43	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 07:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	13	B	1.0	0.12	mg/L			08/08/24 17:07	1
Sulfate (EPA 300.0)	1100		100	21	mg/L			08/08/24 17:23	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240	B	5.0	3.7	mg/L			08/13/24 14:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 14:47	1
Total Dissolved Solids (SM 2540C)	1900		10	4.3	mg/L			08/08/24 00:54	1
Fluoride (SM 4500 F C)	0.16		0.10	0.056	mg/L			08/15/24 15:28	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.39				ft			08/06/24 11:35	1
Field pH	6.85				SU			08/06/24 11:35	1
Field Temperature	15.8				Degrees C			08/06/24 11:35	1
Oxidation Reduction Potential	114.0				millivolts			08/06/24 11:35	1
Oxygen, Dissolved	0.14				mg/L			08/06/24 11:35	1
Specific Conductance	1723				umhos/cm			08/06/24 11:35	1
Turbidity	9.47				NTU			08/06/24 11:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_35_FD

Lab Sample ID: 500-253560-32

Date Collected: 08/06/24 11:35

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.027		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:50	1
Arsenic	0.00038	J	0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:50	1
Barium	0.051		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:50	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:50	1
Boron	17	B	0.50	0.13	mg/L		08/08/24 09:16	08/12/24 14:57	10
Cadmium	0.00042	J	0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:50	1
Calcium	410		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:50	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:50	1
Cobalt	0.00080	J	0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:50	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:50	1
Magnesium	48		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:50	1
Molybdenum	0.068		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:50	1
Potassium	13		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:50	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:50	1
Sodium	22		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:50	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 07:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	13	B	1.0	0.12	mg/L			08/08/24 17:38	1
Sulfate (EPA 300.0)	1100		100	21	mg/L			08/08/24 17:54	100
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240	B	5.0	3.7	mg/L			08/13/24 14:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 14:57	1
Total Dissolved Solids (SM 2540C)	1800		10	4.3	mg/L			08/08/24 00:56	1
Fluoride (SM 4500 F C)	0.16		0.10	0.056	mg/L			08/15/24 15:33	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	8.39				ft			08/06/24 11:35	1
Field pH	6.85				SU			08/06/24 11:35	1
Field Temperature	15.8				Degrees C			08/06/24 11:35	1
Oxidation Reduction Potential	114.0				millivolts			08/06/24 11:35	1
Oxygen, Dissolved	0.14				mg/L			08/06/24 11:35	1
Specific Conductance	1723				umhos/cm			08/06/24 11:35	1
Turbidity	9.47				NTU			08/06/24 11:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_49

Lab Sample ID: 500-253560-35

Date Collected: 08/06/24 14:20

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.025		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 19:02	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 19:02	1
Barium	0.060		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 19:02	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 19:02	1
Boron	0.71	B	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 15:03	1
Cadmium	0.0013		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 19:02	1
Calcium	110		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 19:02	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 19:02	1
Cobalt	0.0032		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 19:02	1
Lead	0.00020	J	0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 19:02	1
Magnesium	37		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 19:02	1
Molybdenum	0.022		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 19:02	1
Potassium	12		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 19:02	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 19:02	1
Sodium	64		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 19:02	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 19:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 07:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	110	B	5.0	0.58	mg/L			08/08/24 18:41	5
Sulfate (EPA 300.0)	80		5.0	1.0	mg/L			08/08/24 18:41	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	330	B	5.0	3.7	mg/L			08/13/24 15:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 15:24	1
Total Dissolved Solids (SM 2540C)	640		10	4.3	mg/L			08/08/24 01:04	1
Fluoride (SM 4500 F C)	0.17		0.10	0.056	mg/L			08/15/24 14:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	22.71				ft			08/06/24 14:20	1
Field pH	7.03				SU			08/06/24 14:20	1
Field Temperature	15.0				Degrees C			08/06/24 14:20	1
Oxidation Reduction Potential	59.7				millivolts			08/06/24 14:20	1
Oxygen, Dissolved	0.18				mg/L			08/06/24 14:20	1
Specific Conductance	939				umhos/cm			08/06/24 14:20	1
Turbidity	3.30				NTU			08/06/24 14:20	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_50

Lab Sample ID: 500-253560-36

Date Collected: 08/06/24 15:35

Matrix: Water

Date Received: 08/07/24 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.024		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 19:18	1
Arsenic	0.00056	J	0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 19:18	1
Barium	0.087		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 19:18	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 19:18	1
Boron	0.72	B	0.050	0.013	mg/L		08/08/24 09:16	08/09/24 19:18	1
Cadmium	0.00096		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 19:18	1
Calcium	130		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 19:18	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 19:18	1
Cobalt	0.0037		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 19:18	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 19:18	1
Magnesium	34		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 19:18	1
Molybdenum	0.033		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 19:18	1
Potassium	9.6		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 19:18	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 19:18	1
Sodium	65		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 19:18	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 19:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 07:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	90	B	5.0	0.58	mg/L			08/08/24 19:59	5
Sulfate (EPA 300.0)	92		5.0	1.0	mg/L			08/08/24 19:59	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340	B	5.0	3.7	mg/L			08/13/24 15:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 15:37	1
Total Dissolved Solids (SM 2540C)	610		10	4.3	mg/L			08/08/24 01:12	1
Fluoride (SM 4500 F C)	0.11		0.10	0.056	mg/L			08/15/24 15:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	18.37				ft			08/06/24 15:35	1
Field pH	7.37				SU			08/06/24 15:35	1
Field Temperature	16.4				Degrees C			08/06/24 15:35	1
Oxidation Reduction Potential	136.6				millivolts			08/06/24 15:35	1
Oxygen, Dissolved	1.00				mg/L			08/06/24 15:35	1
Specific Conductance	1175				umhos/cm			08/06/24 15:35	1
Turbidity	1.35				NTU			08/06/24 15:35	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
HEN-24Q3
SDG: HEN_845_804

Client Sample ID: HEN_FB

Lab Sample ID: 500-253560-40

Date Collected: 08/06/24 00:00

Matrix: Water

Date Received: 08/07/24 09:05

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		08/08/24 09:15	08/12/24 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 19:28	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 19:28	1
Barium	<0.0025		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 19:28	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 19:28	1
Boron	0.029	J B	0.050	0.013	mg/L		08/08/24 09:16	08/09/24 19:28	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 19:28	1
Calcium	<0.20		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 19:28	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 19:28	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 19:28	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 19:28	1
Magnesium	<0.20		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 19:28	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 19:28	1
Potassium	<0.50		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 19:28	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 19:28	1
Sodium	<0.20		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 19:28	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 19:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	0.15	J B	1.0	0.12	mg/L			08/08/24 21:01	1
Sulfate (EPA 300.0)	0.24	J	1.0	0.21	mg/L			08/08/24 21:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 16:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			08/13/24 16:15	1
Total Dissolved Solids (SM 2540C)	6.0	J	10	4.3	mg/L			08/08/24 01:25	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			08/15/24 16:06	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
JEN 845 804
SDG: HEN_845_804

Client Sample ID: HEN_YSG_ILRIVER

Lab Sample ID: 500-253560-49

Date Collected: 07/15/24 12:30

Matrix: Water

Date Received: 07/16/24 13:05

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	5.25				ft			07/15/24 12:30	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
HEN_845_804
SDG: HEN_845_804

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
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.

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Metals

Prep Batch: 777840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total Recoverable	Water	3005A	
500-253560-21	HEN_51	Total Recoverable	Water	3005A	
MB 500-777840/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-777840/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 778011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total Recoverable	Water	6020B	777840
500-253560-21	HEN_51	Total Recoverable	Water	6020B	777840
MB 500-777840/1-A	Method Blank	Total Recoverable	Water	6020B	777840
LCS 500-777840/2-A	Lab Control Sample	Total Recoverable	Water	6020B	777840

Analysis Batch: 778290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total Recoverable	Water	6020B	777840
500-253560-21	HEN_51	Total Recoverable	Water	6020B	777840
MB 500-777840/1-A	Method Blank	Total Recoverable	Water	6020B	777840
LCS 500-777840/2-A	Lab Control Sample	Total Recoverable	Water	6020B	777840

Analysis Batch: 778401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total Recoverable	Water	6020B	777840
500-253560-21	HEN_51	Total Recoverable	Water	6020B	777840

Prep Batch: 778991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total Recoverable	Water	200.7	
500-253560-21	HEN_51	Total Recoverable	Water	200.7	
MB 500-778991/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-778991/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 779038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	7470A	
500-253560-21	HEN_51	Total/NA	Water	7470A	
MB 500-779038/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-779038/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 779270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	7470A	779038
500-253560-21	HEN_51	Total/NA	Water	7470A	779038
MB 500-779038/12-A	Method Blank	Total/NA	Water	7470A	779038
LCS 500-779038/13-A	Lab Control Sample	Total/NA	Water	7470A	779038

Analysis Batch: 779318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total Recoverable	Water	200.7 Rev 4.4	778991
500-253560-21	HEN_51	Total Recoverable	Water	200.7 Rev 4.4	778991
MB 500-778991/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	778991
LCS 500-778991/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	778991

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Metals

Prep Batch: 780356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total Recoverable	Water	200.7	
500-253560-26	HEN_22	Total Recoverable	Water	200.7	
500-253560-27	HEN_22&D	Total Recoverable	Water	200.7	
500-253560-28	HEN_27	Total Recoverable	Water	200.7	
500-253560-29	HEN_32	Total Recoverable	Water	200.7	
500-253560-30	HEN_34	Total Recoverable	Water	200.7	
500-253560-31	HEN_35	Total Recoverable	Water	200.7	
500-253560-32	HEN_35_FD	Total Recoverable	Water	200.7	
500-253560-35	HEN_49	Total Recoverable	Water	200.7	
500-253560-36	HEN_50	Total Recoverable	Water	200.7	
500-253560-40	HEN_FB	Total Recoverable	Water	200.7	
MB 500-780356/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-780356/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-253560-25 MS	HEN_21R_MS	Total Recoverable	Water	200.7	
500-253560-25 MSD	HEN_21R_MSD	Total Recoverable	Water	200.7	
500-253560-35 MS	HEN_49_MS	Total Recoverable	Water	200.7	
500-253560-35 MSD	HEN_49_MSD	Total Recoverable	Water	200.7	
500-253560-25 DU	HEN_21R	Total Recoverable	Water	200.7	
500-253560-35 DU	HEN_49	Total Recoverable	Water	200.7	

Prep Batch: 780445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total Recoverable	Water	3005A	
500-253560-26	HEN_22	Total Recoverable	Water	3005A	
500-253560-27	HEN_22&D	Total Recoverable	Water	3005A	
500-253560-28	HEN_27	Total Recoverable	Water	3005A	
500-253560-29	HEN_32	Total Recoverable	Water	3005A	
500-253560-30	HEN_34	Total Recoverable	Water	3005A	
500-253560-31	HEN_35	Total Recoverable	Water	3005A	
500-253560-32	HEN_35_FD	Total Recoverable	Water	3005A	
500-253560-35	HEN_49	Total Recoverable	Water	3005A	
500-253560-36	HEN_50	Total Recoverable	Water	3005A	
500-253560-40	HEN_FB	Total Recoverable	Water	3005A	
MB 500-780445/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-780445/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-253560-25 MS	HEN_21R_MS	Total Recoverable	Water	3005A	
500-253560-25 MSD	HEN_21R_MSD	Total Recoverable	Water	3005A	
500-253560-35 MS	HEN_49_MS	Total Recoverable	Water	3005A	
500-253560-35 MSD	HEN_49_MSD	Total Recoverable	Water	3005A	
500-253560-25 DU	HEN_21R	Total Recoverable	Water	3005A	
500-253560-35 DU	HEN_49	Total Recoverable	Water	3005A	

Prep Batch: 780506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total/NA	Water	7470A	
500-253560-26	HEN_22	Total/NA	Water	7470A	
500-253560-27	HEN_22&D	Total/NA	Water	7470A	
500-253560-28	HEN_27	Total/NA	Water	7470A	
500-253560-29	HEN_32	Total/NA	Water	7470A	
500-253560-30	HEN_34	Total/NA	Water	7470A	
500-253560-31	HEN_35	Total/NA	Water	7470A	

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QC Association Summary

845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Job ID: 500-253560-11
SDG: HEN_845_804

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Metals (Continued)

Prep Batch: 780506 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-32	HEN_35_FD	Total/NA	Water	7470A	
500-253560-35	HEN_49	Total/NA	Water	7470A	
500-253560-36	HEN_50	Total/NA	Water	7470A	
500-253560-40	HEN_FB	Total/NA	Water	7470A	
MB 500-780506/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-780506/13-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 500-780506/40-A	Lab Control Sample Dup	Total/NA	Water	7470A	
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	7470A	
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	7470A	
500-253560-35 MS	HEN_49_MS	Total/NA	Water	7470A	
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	7470A	
500-253560-25 DU	HEN_21R	Total/NA	Water	7470A	
500-253560-35 DU	HEN_49	Total/NA	Water	7470A	

Analysis Batch: 780728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total/NA	Water	7470A	780506
500-253560-26	HEN_22	Total/NA	Water	7470A	780506
500-253560-27	HEN_22&D	Total/NA	Water	7470A	780506
500-253560-28	HEN_27	Total/NA	Water	7470A	780506
500-253560-29	HEN_32	Total/NA	Water	7470A	780506
500-253560-30	HEN_34	Total/NA	Water	7470A	780506
500-253560-31	HEN_35	Total/NA	Water	7470A	780506
500-253560-32	HEN_35_FD	Total/NA	Water	7470A	780506
500-253560-35	HEN_49	Total/NA	Water	7470A	780506
500-253560-36	HEN_50	Total/NA	Water	7470A	780506
500-253560-40	HEN_FB	Total/NA	Water	7470A	780506
MB 500-780506/12-A	Method Blank	Total/NA	Water	7470A	780506
LCS 500-780506/13-A	Lab Control Sample	Total/NA	Water	7470A	780506
LCSD 500-780506/40-A	Lab Control Sample Dup	Total/NA	Water	7470A	780506
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	7470A	780506
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	7470A	780506
500-253560-35 MS	HEN_49_MS	Total/NA	Water	7470A	780506
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	7470A	780506
500-253560-25 DU	HEN_21R	Total/NA	Water	7470A	780506
500-253560-35 DU	HEN_49	Total/NA	Water	7470A	780506

Analysis Batch: 780867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total Recoverable	Water	6020B	780445
500-253560-26	HEN_22	Total Recoverable	Water	6020B	780445
500-253560-27	HEN_22&D	Total Recoverable	Water	6020B	780445
500-253560-28	HEN_27	Total Recoverable	Water	6020B	780445
500-253560-29	HEN_32	Total Recoverable	Water	6020B	780445
500-253560-30	HEN_34	Total Recoverable	Water	6020B	780445
500-253560-31	HEN_35	Total Recoverable	Water	6020B	780445
500-253560-32	HEN_35_FD	Total Recoverable	Water	6020B	780445
500-253560-35	HEN_49	Total Recoverable	Water	6020B	780445
500-253560-36	HEN_50	Total Recoverable	Water	6020B	780445
500-253560-40	HEN_FB	Total Recoverable	Water	6020B	780445
MB 500-780445/1-A	Method Blank	Total Recoverable	Water	6020B	780445

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Metals (Continued)

Analysis Batch: 780867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-780445/2-A	Lab Control Sample	Total Recoverable	Water	6020B	780445
500-253560-25 MS	HEN_21R_MS	Total Recoverable	Water	6020B	780445
500-253560-25 MSD	HEN_21R_MSD	Total Recoverable	Water	6020B	780445
500-253560-35 MS	HEN_49_MS	Total Recoverable	Water	6020B	780445
500-253560-35 MSD	HEN_49_MSD	Total Recoverable	Water	6020B	780445
500-253560-25 DU	HEN_21R	Total Recoverable	Water	6020B	780445
500-253560-35 DU	HEN_49	Total Recoverable	Water	6020B	780445

Analysis Batch: 781097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total Recoverable	Water	6020B	780445
500-253560-26	HEN_22	Total Recoverable	Water	6020B	780445
500-253560-27	HEN_22&D	Total Recoverable	Water	6020B	780445
500-253560-28	HEN_27	Total Recoverable	Water	6020B	780445
500-253560-29	HEN_32	Total Recoverable	Water	6020B	780445
500-253560-30	HEN_34	Total Recoverable	Water	6020B	780445
500-253560-31	HEN_35	Total Recoverable	Water	6020B	780445
500-253560-32	HEN_35_FD	Total Recoverable	Water	6020B	780445
500-253560-35	HEN_49	Total Recoverable	Water	6020B	780445
MB 500-780445/1-A	Method Blank	Total Recoverable	Water	6020B	780445
LCS 500-780445/2-A	Lab Control Sample	Total Recoverable	Water	6020B	780445
500-253560-25 MS	HEN_21R_MS	Total Recoverable	Water	6020B	780445
500-253560-25 MSD	HEN_21R_MSD	Total Recoverable	Water	6020B	780445
500-253560-35 MS	HEN_49_MS	Total Recoverable	Water	6020B	780445
500-253560-35 MSD	HEN_49_MSD	Total Recoverable	Water	6020B	780445
500-253560-25 DU	HEN_21R	Total Recoverable	Water	6020B	780445
500-253560-35 DU	HEN_49	Total Recoverable	Water	6020B	780445

Analysis Batch: 781099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-26	HEN_22	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-27	HEN_22&D	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-28	HEN_27	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-29	HEN_32	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-30	HEN_34	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-31	HEN_35	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-32	HEN_35_FD	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-35	HEN_49	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-36	HEN_50	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-40	HEN_FB	Total Recoverable	Water	200.7 Rev 4.4	780356
MB 500-780356/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	780356
LCS 500-780356/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-25 MS	HEN_21R_MS	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-25 MSD	HEN_21R_MSD	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-35 MS	HEN_49_MS	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-35 MSD	HEN_49_MSD	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-25 DU	HEN_21R	Total Recoverable	Water	200.7 Rev 4.4	780356
500-253560-35 DU	HEN_49	Total Recoverable	Water	200.7 Rev 4.4	780356

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QC Association Summary

845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

ATTACHMENT B.
Job ID: 500-253560-11
SDG: HEN_845_804

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

General Chemistry

Analysis Batch: 778056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	SM 2540C	
500-253560-21	HEN_51	Total/NA	Water	SM 2540C	
MB 500-778056/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-778056/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 778153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	SM 4500 F C	
500-253560-21	HEN_51	Total/NA	Water	SM 4500 F C	
MB 500-778153/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-778153/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-778153/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-778153/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 779286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	SM 2320B	
500-253560-21	HEN_51	Total/NA	Water	SM 2320B	
MB 500-779286/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-779286/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-779286/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-779286/54	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 779304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	300.0	
500-253560-21	HEN_51	Total/NA	Water	300.0	
MB 500-779304/65	Method Blank	Total/NA	Water	300.0	
LCS 500-779304/66	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 780360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total/NA	Water	SM 2540C	
500-253560-26	HEN_22	Total/NA	Water	SM 2540C	
500-253560-27	HEN_22&D	Total/NA	Water	SM 2540C	
500-253560-28	HEN_27	Total/NA	Water	SM 2540C	
500-253560-29	HEN_32	Total/NA	Water	SM 2540C	
500-253560-30	HEN_34	Total/NA	Water	SM 2540C	
MB 500-780360/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-780360/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	SM 2540C	
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	SM 2540C	
500-253560-26 DU	HEN_22	Total/NA	Water	SM 2540C	

Analysis Batch: 780361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-31	HEN_35	Total/NA	Water	SM 2540C	
500-253560-32	HEN_35_FD	Total/NA	Water	SM 2540C	
500-253560-35	HEN_49	Total/NA	Water	SM 2540C	
500-253560-36	HEN_50	Total/NA	Water	SM 2540C	
500-253560-40	HEN_FB	Total/NA	Water	SM 2540C	

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QC Association Summary

845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

ATTACHMENT B.
Job ID: 500-253560-11
SDG: HEN_845_804

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

General Chemistry (Continued)

Analysis Batch: 780361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-780361/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-780361/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-253560-35 MS	HEN_49_MS	Total/NA	Water	SM 2540C	
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	SM 2540C	
500-253560-36 DU	HEN_50	Total/NA	Water	SM 2540C	

Analysis Batch: 780474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total/NA	Water	300.0	
500-253560-26	HEN_22	Total/NA	Water	300.0	
500-253560-27	HEN_22&D	Total/NA	Water	300.0	
500-253560-28	HEN_27	Total/NA	Water	300.0	
500-253560-29	HEN_32	Total/NA	Water	300.0	
500-253560-30	HEN_34	Total/NA	Water	300.0	
500-253560-31	HEN_35	Total/NA	Water	300.0	
500-253560-31	HEN_35	Total/NA	Water	300.0	
500-253560-32	HEN_35_FD	Total/NA	Water	300.0	
500-253560-32	HEN_35_FD	Total/NA	Water	300.0	
500-253560-35	HEN_49	Total/NA	Water	300.0	
500-253560-36	HEN_50	Total/NA	Water	300.0	
500-253560-40	HEN_FB	Total/NA	Water	300.0	
MB 500-780474/13	Method Blank	Total/NA	Water	300.0	
LCS 500-780474/14	Lab Control Sample	Total/NA	Water	300.0	
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	300.0	
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	300.0	
500-253560-35 MS	HEN_49_MS	Total/NA	Water	300.0	
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	300.0	

Analysis Batch: 781135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total/NA	Water	SM 2320B	
500-253560-26	HEN_22	Total/NA	Water	SM 2320B	
500-253560-27	HEN_22&D	Total/NA	Water	SM 2320B	
500-253560-28	HEN_27	Total/NA	Water	SM 2320B	
MB 500-781135/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-781135/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-253560-25 DU	HEN_21R	Total/NA	Water	SM 2320B	

Analysis Batch: 781414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-29	HEN_32	Total/NA	Water	SM 2320B	
500-253560-30	HEN_34	Total/NA	Water	SM 2320B	
500-253560-31	HEN_35	Total/NA	Water	SM 2320B	
500-253560-32	HEN_35_FD	Total/NA	Water	SM 2320B	
500-253560-35	HEN_49	Total/NA	Water	SM 2320B	
500-253560-36	HEN_50	Total/NA	Water	SM 2320B	
500-253560-40	HEN_FB	Total/NA	Water	SM 2320B	
MB 500-781414/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-781414/4	Lab Control Sample	Total/NA	Water	SM 2320B	

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
JEN 845 804
SDG: HEN_845_804

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

General Chemistry

Analysis Batch: 781815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-25	HEN_21R	Total/NA	Water	SM 4500 F C	
500-253560-26	HEN_22	Total/NA	Water	SM 4500 F C	
500-253560-27	HEN_22&D	Total/NA	Water	SM 4500 F C	
500-253560-28	HEN_27	Total/NA	Water	SM 4500 F C	
500-253560-29	HEN_32	Total/NA	Water	SM 4500 F C	
500-253560-30	HEN_34	Total/NA	Water	SM 4500 F C	
500-253560-31	HEN_35	Total/NA	Water	SM 4500 F C	
500-253560-32	HEN_35_FD	Total/NA	Water	SM 4500 F C	
500-253560-35	HEN_49	Total/NA	Water	SM 4500 F C	
500-253560-36	HEN_50	Total/NA	Water	SM 4500 F C	
500-253560-40	HEN_FB	Total/NA	Water	SM 4500 F C	
MB 500-781815/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-781815/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-781815/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-781815/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	SM 4500 F C	
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	SM 4500 F C	
500-253560-35 MS	HEN_49_MS	Total/NA	Water	SM 4500 F C	
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 781194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	Field Sampling	
500-253560-21	HEN_51	Total/NA	Water	Field Sampling	
500-253560-25	HEN_21R	Total/NA	Water	Field Sampling	
500-253560-26	HEN_22	Total/NA	Water	Field Sampling	
500-253560-27	HEN_22&D	Total/NA	Water	Field Sampling	
500-253560-28	HEN_27	Total/NA	Water	Field Sampling	
500-253560-29	HEN_32	Total/NA	Water	Field Sampling	
500-253560-30	HEN_34	Total/NA	Water	Field Sampling	
500-253560-31	HEN_35	Total/NA	Water	Field Sampling	
500-253560-32	HEN_35_FD	Total/NA	Water	Field Sampling	
500-253560-35	HEN_49	Total/NA	Water	Field Sampling	
500-253560-36	HEN_50	Total/NA	Water	Field Sampling	
500-253560-49	HEN_YSG_ILRIVER	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-778991/1-A
Matrix: Water
Analysis Batch: 779318

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 778991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00272	J	0.0050	0.0020	mg/L		07/30/24 08:33	07/31/24 13:09	1

Lab Sample ID: LCS 500-778991/2-A
Matrix: Water
Analysis Batch: 779318

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 778991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.247		mg/L		99	85 - 115

Lab Sample ID: MB 500-780356/1-A
Matrix: Water
Analysis Batch: 781099

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 780356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		08/08/24 09:15	08/12/24 15:28	1

Lab Sample ID: LCS 500-780356/2-A
Matrix: Water
Analysis Batch: 781099

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 780356

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

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 781099

Client Sample ID: HEN_21R_MS
Prep Type: Total Recoverable
Prep Batch: 780356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.027		0.250	0.297		mg/L		108	70 - 130

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 781099

Client Sample ID: HEN_21R_MSD
Prep Type: Total Recoverable
Prep Batch: 780356

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.027		0.250	0.293		mg/L		106	70 - 130	1	20

Lab Sample ID: 500-253560-25 DU
Matrix: Water
Analysis Batch: 781099

Client Sample ID: HEN_21R
Prep Type: Total Recoverable
Prep Batch: 780356

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.027		0.0250		mg/L		8	20

Lab Sample ID: 500-253560-35 DU
Matrix: Water
Analysis Batch: 781099

Client Sample ID: HEN_49
Prep Type: Total Recoverable
Prep Batch: 780356

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.025		0.0260		mg/L		4	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-777840/1-A
Matrix: Water
Analysis Batch: 778011

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 777840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010	0.00023	mg/L		07/22/24 15:20	07/23/24 13:27	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		07/22/24 15:20	07/23/24 13:27	1
Boron	0.0490	J	0.050	0.013	mg/L		07/22/24 15:20	07/23/24 13:27	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		07/22/24 15:20	07/23/24 13:27	1
Chromium	<0.0050		0.0050	0.0011	mg/L		07/22/24 15:20	07/23/24 13:27	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		07/22/24 15:20	07/23/24 13:27	1
Lead	<0.00050		0.00050	0.00019	mg/L		07/22/24 15:20	07/23/24 13:27	1
Magnesium	<0.20		0.20	0.049	mg/L		07/22/24 15:20	07/23/24 13:27	1
Potassium	<0.50		0.50	0.11	mg/L		07/22/24 15:20	07/23/24 13:27	1
Sodium	<0.20		0.20	0.077	mg/L		07/22/24 15:20	07/23/24 13:27	1
Thallium	<0.0020		0.0020	0.00057	mg/L		07/22/24 15:20	07/23/24 13:27	1

Lab Sample ID: MB 500-777840/1-A
Matrix: Water
Analysis Batch: 778290

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 777840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		07/22/24 15:20	07/24/24 14:28	1
Barium	<0.0025		0.0025	0.00073	mg/L		07/22/24 15:20	07/24/24 14:28	1
Calcium	<0.20		0.20	0.044	mg/L		07/22/24 15:20	07/24/24 14:28	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		07/22/24 15:20	07/24/24 14:28	1
Selenium	<0.0025		0.0025	0.00098	mg/L		07/22/24 15:20	07/24/24 14:28	1

Lab Sample ID: LCS 500-777840/2-A
Matrix: Water
Analysis Batch: 778011

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 777840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0875		mg/L		87	80 - 120
Beryllium	0.0500	0.0467		mg/L		93	80 - 120
Boron	1.00	0.933		mg/L		93	80 - 120
Cadmium	0.0500	0.0449		mg/L		90	80 - 120
Chromium	0.200	0.181		mg/L		91	80 - 120
Cobalt	0.500	0.459		mg/L		92	80 - 120
Lead	0.100	0.0868		mg/L		87	80 - 120
Magnesium	10.0	9.11		mg/L		91	80 - 120
Potassium	10.0	8.77		mg/L		88	80 - 120
Sodium	10.0	9.03		mg/L		90	80 - 120
Thallium	0.100	0.0872		mg/L		87	80 - 120

Lab Sample ID: LCS 500-777840/2-A
Matrix: Water
Analysis Batch: 778290

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 777840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.496		mg/L		99	80 - 120
Barium	0.500	0.500		mg/L		100	80 - 120
Calcium	10.0	9.47		mg/L		95	80 - 120
Molybdenum	1.00	0.942		mg/L		94	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

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

Lab Sample ID: LCS 500-777840/2-A
Matrix: Water
Analysis Batch: 778290

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 777840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.0968		mg/L		97	80 - 120

Lab Sample ID: MB 500-780445/1-A
Matrix: Water
Analysis Batch: 780867

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		08/08/24 09:16	08/09/24 18:08	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		08/08/24 09:16	08/09/24 18:08	1
Barium	<0.0025		0.0025	0.00073	mg/L		08/08/24 09:16	08/09/24 18:08	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		08/08/24 09:16	08/09/24 18:08	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		08/08/24 09:16	08/09/24 18:08	1
Calcium	<0.20		0.20	0.044	mg/L		08/08/24 09:16	08/09/24 18:08	1
Chromium	<0.0050		0.0050	0.0011	mg/L		08/08/24 09:16	08/09/24 18:08	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		08/08/24 09:16	08/09/24 18:08	1
Lead	<0.00050		0.00050	0.00019	mg/L		08/08/24 09:16	08/09/24 18:08	1
Magnesium	<0.20		0.20	0.049	mg/L		08/08/24 09:16	08/09/24 18:08	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		08/08/24 09:16	08/09/24 18:08	1
Potassium	<0.50		0.50	0.11	mg/L		08/08/24 09:16	08/09/24 18:08	1
Selenium	<0.0025		0.0025	0.00098	mg/L		08/08/24 09:16	08/09/24 18:08	1
Sodium	<0.20		0.20	0.077	mg/L		08/08/24 09:16	08/09/24 18:08	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/08/24 09:16	08/09/24 18:08	1

Lab Sample ID: MB 500-780445/1-A
Matrix: Water
Analysis Batch: 781097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0226	J	0.050	0.013	mg/L		08/08/24 09:16	08/12/24 14:16	1

Lab Sample ID: LCS 500-780445/2-A
Matrix: Water
Analysis Batch: 780867

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.494		mg/L		99	80 - 120
Arsenic	0.100	0.0971		mg/L		97	80 - 120
Barium	0.500	0.508		mg/L		102	80 - 120
Beryllium	0.0500	0.0536		mg/L		107	80 - 120
Cadmium	0.0500	0.0501		mg/L		100	80 - 120
Calcium	10.0	8.96		mg/L		90	80 - 120
Chromium	0.200	0.214		mg/L		107	80 - 120
Cobalt	0.500	0.540		mg/L		108	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Magnesium	10.0	10.5		mg/L		105	80 - 120
Molybdenum	1.00	0.965		mg/L		96	80 - 120
Potassium	10.0	10.2		mg/L		102	80 - 120
Selenium	0.100	0.0950		mg/L		95	80 - 120
Sodium	10.0	10.4		mg/L		104	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

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

Lab Sample ID: LCS 500-780445/2-A
Matrix: Water
Analysis Batch: 780867

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-780445/2-A
Matrix: Water
Analysis Batch: 781097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.07		mg/L		107	80 - 120

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_21R_MS
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.505		mg/L		101	75 - 125
Arsenic	0.023		0.100	0.123		mg/L		100	75 - 125
Barium	0.28		0.500	0.801		mg/L		105	75 - 125
Beryllium	<0.0010		0.0500	0.0525		mg/L		105	75 - 125
Cadmium	<0.00050		0.0500	0.0505		mg/L		101	75 - 125
Calcium	130		10.0	136	4	mg/L		57	75 - 125
Chromium	0.0012	J	0.200	0.214		mg/L		106	75 - 125
Cobalt	0.00051	J	0.500	0.527		mg/L		105	75 - 125
Lead	0.00094		0.100	0.103		mg/L		102	75 - 125
Magnesium	42		10.0	51.8	4	mg/L		95	75 - 125
Molybdenum	0.0086		1.00	1.01		mg/L		100	75 - 125
Potassium	3.1		10.0	13.3		mg/L		102	75 - 125
Selenium	<0.0025		0.100	0.0976		mg/L		98	75 - 125
Sodium	58		10.0	66.1	4	mg/L		83	75 - 125
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 781097

Client Sample ID: HEN_21R_MS
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.2	B	1.00	3.18		mg/L		101	75 - 125

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_21R_MSD
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.512		mg/L		102	75 - 125	1	20
Arsenic	0.023		0.100	0.123		mg/L		100	75 - 125	0	20
Barium	0.28		0.500	0.799		mg/L		104	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0518		mg/L		104	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0505		mg/L		101	75 - 125	0	20
Calcium	130		10.0	137	4	mg/L		63	75 - 125	0	20
Chromium	0.0012	J	0.200	0.211		mg/L		105	75 - 125	1	20
Cobalt	0.00051	J	0.500	0.522		mg/L		104	75 - 125	1	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
Job No: HEN_845_804
SDG: HEN_845_804

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

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_21R_MSD
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.00094		0.100	0.104		mg/L		103	75 - 125	1	20
Magnesium	42		10.0	51.2	4	mg/L		89	75 - 125	1	20
Molybdenum	0.0086		1.00	1.01		mg/L		100	75 - 125	1	20
Potassium	3.1		10.0	13.2		mg/L		101	75 - 125	1	20
Selenium	<0.0025		0.100	0.0972		mg/L		97	75 - 125	0	20
Sodium	58		10.0	66.0	4	mg/L		81	75 - 125	0	20
Thallium	<0.0020		0.100	0.106		mg/L		106	75 - 125	0	20

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 781097

Client Sample ID: HEN_21R_MSD
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	2.2	B	1.00	3.20		mg/L		102	75 - 125	0	20

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_49_MS
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.521		mg/L		104	75 - 125		
Arsenic	<0.0010		0.100	0.104		mg/L		104	75 - 125		
Barium	0.060		0.500	0.588		mg/L		106	75 - 125		
Beryllium	<0.0010		0.0500	0.0547		mg/L		109	75 - 125		
Cadmium	0.0013		0.0500	0.0530		mg/L		103	75 - 125		
Calcium	110		10.0	125	4	mg/L		122	75 - 125		
Chromium	<0.0050		0.200	0.213		mg/L		107	75 - 125		
Cobalt	0.0032		0.500	0.538		mg/L		107	75 - 125		
Lead	0.00020	J	0.100	0.106		mg/L		106	75 - 125		
Magnesium	37		10.0	48.4		mg/L		115	75 - 125		
Molybdenum	0.022		1.00	1.05		mg/L		103	75 - 125		
Potassium	12		10.0	22.7		mg/L		106	75 - 125		
Selenium	<0.0025		0.100	0.101		mg/L		101	75 - 125		
Sodium	64		10.0	75.8	4	mg/L		118	75 - 125		
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125		

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 781097

Client Sample ID: HEN_49_MS
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.71	B	1.00	1.76		mg/L		105	75 - 125		

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_49_MSD
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.520		mg/L		104	75 - 125	0	20
Arsenic	<0.0010		0.100	0.103		mg/L		103	75 - 125	1	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
Q3-2024
SDG: HEN_845_804

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

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_49_MSD
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.060		0.500	0.582		mg/L		104	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0546		mg/L		109	75 - 125	0	20
Cadmium	0.0013		0.0500	0.0529		mg/L		103	75 - 125	0	20
Calcium	110		10.0	125	4	mg/L		122	75 - 125	0	20
Chromium	<0.0050		0.200	0.214		mg/L		107	75 - 125	0	20
Cobalt	0.0032		0.500	0.540		mg/L		107	75 - 125	0	20
Lead	0.00020	J	0.100	0.105		mg/L		105	75 - 125	1	20
Magnesium	37		10.0	48.3		mg/L		113	75 - 125	0	20
Molybdenum	0.022		1.00	1.05		mg/L		103	75 - 125	0	20
Potassium	12		10.0	22.5		mg/L		104	75 - 125	1	20
Selenium	<0.0025		0.100	0.101		mg/L		101	75 - 125	1	20
Sodium	64		10.0	75.9	4	mg/L		119	75 - 125	0	20
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125	0	20

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 781097

Client Sample ID: HEN_49_MSD
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.71	B	1.00	1.79		mg/L		108	75 - 125	2	20

Lab Sample ID: 500-253560-25 DU
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_21R
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.023		0.0223		mg/L		2	20
Barium	0.28		0.266		mg/L		4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	130		126		mg/L		3	20
Chromium	0.0012	J	0.00114	J	mg/L		7	20
Cobalt	0.00051	J	0.000531	J	mg/L		3	20
Lead	0.00094		0.000879		mg/L		7	20
Magnesium	42		41.1		mg/L		3	20
Molybdenum	0.0086		0.00832		mg/L		3	20
Potassium	3.1		3.02		mg/L		4	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	58		56.0		mg/L		3	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-253560-25 DU
Matrix: Water
Analysis Batch: 781097

Client Sample ID: HEN_21R
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	2.2	B	2.10		mg/L		3	20

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

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

Lab Sample ID: 500-253560-35 DU
Matrix: Water
Analysis Batch: 780867

Client Sample ID: HEN_49
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.060		0.0613		mg/L		3	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.73	B ^+	0.744		mg/L		3	20
Cadmium	0.0013		0.00133		mg/L		3	20
Calcium	110		115		mg/L		2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	0.0032		0.00329		mg/L		4	20
Lead	0.00020	J	0.000255	J F5	mg/L		25	20
Magnesium	37		37.9		mg/L		3	20
Molybdenum	0.022		0.0222		mg/L		2	20
Potassium	12		12.3		mg/L		2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Sodium	64		65.6		mg/L		3	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-253560-35 DU
Matrix: Water
Analysis Batch: 781097

Client Sample ID: HEN_49
Prep Type: Total Recoverable
Prep Batch: 780445

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	0.71	B	0.729		mg/L		2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-779038/12-A
Matrix: Water
Analysis Batch: 779270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		07/30/24 11:35	07/31/24 07:53	1

Lab Sample ID: LCS 500-779038/13-A
Matrix: Water
Analysis Batch: 779270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 779038

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

Lab Sample ID: MB 500-780506/12-A
Matrix: Water
Analysis Batch: 780728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 780506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		08/08/24 12:00	08/09/24 06:33	1

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

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

Lab Sample ID: LCS 500-780506/13-A
Matrix: Water
Analysis Batch: 780728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 780506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00204		mg/L		102	80 - 120

Lab Sample ID: LCSD 500-780506/40-A
Matrix: Water
Analysis Batch: 780728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 780506

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.00200	0.00200		mg/L		100	80 - 120	2	20

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 780728

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA
Prep Batch: 780506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.00102		mg/L		102	75 - 125

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 780728

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA
Prep Batch: 780506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.00100		mg/L		100	75 - 125	2	20

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 780728

Client Sample ID: HEN_49_MS
Prep Type: Total/NA
Prep Batch: 780506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000988		mg/L		99	75 - 125

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 780728

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA
Prep Batch: 780506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.000977		mg/L		98	75 - 125	1	20

Lab Sample ID: 500-253560-25 DU
Matrix: Water
Analysis Batch: 780728

Client Sample ID: HEN_21R
Prep Type: Total/NA
Prep Batch: 780506

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

Lab Sample ID: 500-253560-35 DU
Matrix: Water
Analysis Batch: 780728

Client Sample ID: HEN_49
Prep Type: Total/NA
Prep Batch: 780506

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

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
Job No: 845004
SDG: HEN_845_804

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-779304/65
Matrix: Water
Analysis Batch: 779304

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			08/01/24 08:52	1
Sulfate	<1.0		1.0	0.21	mg/L			08/01/24 08:52	1

Lab Sample ID: LCS 500-779304/66
Matrix: Water
Analysis Batch: 779304

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.9		mg/L		104	90 - 110
Sulfate	20.0	21.5		mg/L		107	90 - 110

Lab Sample ID: MB 500-780474/13
Matrix: Water
Analysis Batch: 780474

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.172	J	1.0	0.12	mg/L			08/08/24 13:44	1
Sulfate	<1.0		1.0	0.21	mg/L			08/08/24 13:44	1

Lab Sample ID: LCS 500-780474/14
Matrix: Water
Analysis Batch: 780474

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		103	90 - 110
Sulfate	20.0	21.6		mg/L		108	90 - 110

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 780474

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	93	B	50.0	143		mg/L		100	80 - 120
Sulfate	82		50.0	133		mg/L		102	80 - 120

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 780474

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	93	B	50.0	142		mg/L		98	80 - 120	0	20
Sulfate	82		50.0	132		mg/L		100	80 - 120	1	20

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 780474

Client Sample ID: HEN_49_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	110	B	50.0	158		mg/L		103	80 - 120
Sulfate	80		50.0	133		mg/L		105	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 780474

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	110	B	50.0	157		mg/L		103	80 - 120	0	20
Sulfate	80		50.0	132		mg/L		104	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-779286/28
Matrix: Water
Analysis Batch: 779286

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	6.15		5.0	3.7	mg/L			07/30/24 16:38	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			07/30/24 16:38	1

Lab Sample ID: MB 500-779286/53
Matrix: Water
Analysis Batch: 779286

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			07/30/24 20:30	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			07/30/24 20:30	1

Lab Sample ID: LCS 500-779286/29
Matrix: Water
Analysis Batch: 779286

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

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

Lab Sample ID: LCS 500-779286/54
Matrix: Water
Analysis Batch: 779286

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	106		mg/L		106	80 - 120

Lab Sample ID: MB 500-781135/3
Matrix: Water
Analysis Batch: 781135

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	5.15		5.0	3.7	mg/L			08/12/24 16:56	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			08/12/24 16:56	1

Lab Sample ID: LCS 500-781135/4
Matrix: Water
Analysis Batch: 781135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102		mg/L		102	80 - 120

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 500-253560-25 DU
Matrix: Water
Analysis Batch: 781135

Client Sample ID: HEN_21R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO ₃	380	B	381		mg/L		0.8	20
Carbonate Alkalinity as CaCO ₃	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 500-781414/3
Matrix: Water
Analysis Batch: 781414

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 CaCO ₃	4.45	J	5.0	3.7	mg/L			08/13/24 14:04	1
Carbonate Alkalinity as CaCO ₃	<5.0		5.0	3.7	mg/L			08/13/24 14:04	1

Lab Sample ID: LCS 500-781414/4
Matrix: Water
Analysis Batch: 781414

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	106		mg/L		106	80 - 120

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

Lab Sample ID: MB 500-778056/1
Matrix: Water
Analysis Batch: 778056

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			07/23/24 22:38	1

Lab Sample ID: LCS 500-778056/2
Matrix: Water
Analysis Batch: 778056

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	240		mg/L		96	80 - 120

Lab Sample ID: MB 500-780360/1
Matrix: Water
Analysis Batch: 780360

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			08/07/24 22:27	1

Lab Sample ID: LCS 500-780360/2
Matrix: Water
Analysis Batch: 780360

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	246		mg/L		98	80 - 120

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

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

Lab Sample ID: 500-253560-25 MS

Matrix: Water

Analysis Batch: 780360

Client Sample ID: HEN_21R_MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	668		250	942		mg/L		110	75 - 125

Lab Sample ID: 500-253560-25 MSD

Matrix: Water

Analysis Batch: 780360

Client Sample ID: HEN_21R_MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	668		250	970		mg/L		121	75 - 125	3	20

Lab Sample ID: 500-253560-26 DU

Matrix: Water

Analysis Batch: 780360

Client Sample ID: HEN_22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	636		642		mg/L		0.9	5

Lab Sample ID: MB 500-780361/1

Matrix: Water

Analysis Batch: 780361

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			08/08/24 00:49	1

Lab Sample ID: LCS 500-780361/2

Matrix: Water

Analysis Batch: 780361

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	242		mg/L		97	80 - 120

Lab Sample ID: 500-253560-35 MS

Matrix: Water

Analysis Batch: 780361

Client Sample ID: HEN_49_MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	636		250	916		mg/L		112	75 - 125

Lab Sample ID: 500-253560-35 MSD

Matrix: Water

Analysis Batch: 780361

Client Sample ID: HEN_49_MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	636		250	884		mg/L		99	75 - 125	4	20

Lab Sample ID: 500-253560-36 DU

Matrix: Water

Analysis Batch: 780361

Client Sample ID: HEN_50

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	610		638		mg/L		4	5

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-778153/3
Matrix: Water
Analysis Batch: 778153

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			07/23/24 12:09	1

Lab Sample ID: MB 500-778153/31
Matrix: Water
Analysis Batch: 778153

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			07/23/24 14:20	1

Lab Sample ID: LCS 500-778153/32
Matrix: Water
Analysis Batch: 778153

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	9.49		mg/L		95	90 - 119

Lab Sample ID: LCS 500-778153/4
Matrix: Water
Analysis Batch: 778153

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.52		mg/L		95	90 - 119

Lab Sample ID: MB 500-781815/3
Matrix: Water
Analysis Batch: 781815

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			08/15/24 12:36	1

Lab Sample ID: MB 500-781815/31
Matrix: Water
Analysis Batch: 781815

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			08/15/24 14:48	1

Lab Sample ID: LCS 500-781815/32
Matrix: Water
Analysis Batch: 781815

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	9.38		mg/L		94	90 - 119

Lab Sample ID: LCS 500-781815/4
Matrix: Water
Analysis Batch: 781815

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.52		mg/L		95	90 - 119

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
SDG: HEN_845_804

Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 781815

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.17		5.00	5.07		mg/L		98	75 - 125		

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 781815

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.17		5.00	5.10		mg/L		99	75 - 125	1	20

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 781815

Client Sample ID: HEN_49_MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.17		5.00	5.04		mg/L		97	75 - 125		

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 781815

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.17		5.00	5.10		mg/L		99	75 - 125	1	20

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_23

Date Collected: 07/18/24 09:45

Date Received: 07/18/24 13:00

Lab Sample ID: 500-253560-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			778991	BDE	EET CHI	07/30/24 08:33 - 07/30/24 14:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	779318	SJ	EET CHI	07/31/24 14:01
Total Recoverable	Prep	3005A			777840	S1Z	EET CHI	07/22/24 15:20 - 07/22/24 21:20 ¹
Total Recoverable	Analysis	6020B		1	778011	RN	EET CHI	07/23/24 14:24
Total Recoverable	Prep	3005A			777840	S1Z	EET CHI	07/22/24 15:20 - 07/22/24 21:20 ¹
Total Recoverable	Analysis	6020B		1	778290	RN	EET CHI	07/24/24 15:26
Total Recoverable	Prep	3005A			777840	S1Z	EET CHI	07/22/24 15:20 - 07/22/24 21:20 ¹
Total Recoverable	Analysis	6020B		10	778401	RN	EET CHI	07/25/24 11:18
Total/NA	Prep	7470A			779038	MJG	EET CHI	07/30/24 11:35 - 07/30/24 13:35 ¹
Total/NA	Analysis	7470A		1	779270	MJG	EET CHI	07/31/24 08:50
Total/NA	Analysis	300.0		10	779304	NMB	EET CHI	08/01/24 10:26
Total/NA	Analysis	SM 2320B		1	779286	LEG	EET CHI	07/30/24 20:04
Total/NA	Analysis	SM 2540C		1	778056	CLB	EET CHI	07/23/24 23:03
Total/NA	Analysis	SM 4500 F C		1	778153	SO	EET CHI	07/23/24 15:22
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	07/18/24 09:45

Client Sample ID: HEN_51

Date Collected: 07/18/24 10:25

Date Received: 07/18/24 13:00

Lab Sample ID: 500-253560-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			778991	BDE	EET CHI	07/30/24 08:33 - 07/30/24 14:33 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	779318	SJ	EET CHI	07/31/24 14:05
Total Recoverable	Prep	3005A			777840	S1Z	EET CHI	07/22/24 15:20 - 07/22/24 21:20 ¹
Total Recoverable	Analysis	6020B		1	778011	RN	EET CHI	07/23/24 14:40
Total Recoverable	Prep	3005A			777840	S1Z	EET CHI	07/22/24 15:20 - 07/22/24 21:20 ¹
Total Recoverable	Analysis	6020B		1	778290	RN	EET CHI	07/24/24 15:46
Total Recoverable	Prep	3005A			777840	S1Z	EET CHI	07/22/24 15:20 - 07/22/24 21:20 ¹
Total Recoverable	Analysis	6020B		5	778401	RN	EET CHI	07/25/24 11:27
Total/NA	Prep	7470A			779038	MJG	EET CHI	07/30/24 11:35 - 07/30/24 13:35 ¹
Total/NA	Analysis	7470A		1	779270	MJG	EET CHI	07/31/24 08:52
Total/NA	Analysis	300.0		10	779304	NMB	EET CHI	08/01/24 11:44
Total/NA	Analysis	SM 2320B		1	779286	LEG	EET CHI	07/30/24 21:36
Total/NA	Analysis	SM 2540C		1	778056	CLB	EET CHI	07/23/24 23:09
Total/NA	Analysis	SM 4500 F C		1	778153	SO	EET CHI	07/23/24 15:31
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	07/18/24 10:25

Client Sample ID: HEN_21R

Date Collected: 08/06/24 13:15

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 15:40

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_21R

Date Collected: 08/06/24 13:15

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:15
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 14:27
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 06:39
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 14:31
Total/NA	Analysis	SM 2320B		1	781135	SO	EET CHI	08/12/24 18:01
Total/NA	Analysis	SM 2540C		1	780360	CLB	EET CHI	08/07/24 23:05
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 12:46
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 13:15

Client Sample ID: HEN_22

Date Collected: 08/06/24 15:50

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 15:58
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:27
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 14:39
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 06:48
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 15:18
Total/NA	Analysis	SM 2320B		1	781135	SO	EET CHI	08/12/24 19:48
Total/NA	Analysis	SM 2540C		1	780360	CLB	EET CHI	08/07/24 23:13
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:29
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 15:50

Client Sample ID: HEN_22&D

Date Collected: 08/06/24 15:15

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:02
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:34
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 14:41
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 06:50

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_22&D

Lab Sample ID: 500-253560-27

Date Collected: 08/06/24 15:15

Matrix: Water

Date Received: 08/07/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 15:33
Total/NA	Analysis	SM 2320B		1	781135	SO	EET CHI	08/12/24 19:57
Total/NA	Analysis	SM 2540C		1	780360	CLB	EET CHI	08/07/24 23:18
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:34
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 15:15

Client Sample ID: HEN_27

Lab Sample ID: 500-253560-28

Date Collected: 08/06/24 10:45

Matrix: Water

Date Received: 08/07/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:06
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:36
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 14:43
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 06:56
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 15:49
Total/NA	Analysis	SM 2320B		1	781135	SO	EET CHI	08/12/24 20:10
Total/NA	Analysis	SM 2540C		1	780360	CLB	EET CHI	08/07/24 23:21
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:39
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 10:45

Client Sample ID: HEN_32

Lab Sample ID: 500-253560-29

Date Collected: 08/06/24 10:00

Matrix: Water

Date Received: 08/07/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:19
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:38
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 14:45
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 06:58
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 16:04
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 14:27
Total/NA	Analysis	SM 2540C		1	780360	CLB	EET CHI	08/07/24 23:23
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:43
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 10:00

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_34

Date Collected: 08/06/24 09:10

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:24
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:41
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 14:48
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 07:00
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 16:51
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 14:37
Total/NA	Analysis	SM 2540C		1	780360	CLB	EET CHI	08/07/24 23:26
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 15:13
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 09:10

Client Sample ID: HEN_35

Date Collected: 08/06/24 11:35

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:28
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:43
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		10	781097	RN	EET CHI	08/12/24 14:54
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 07:03
Total/NA	Analysis	300.0		1	780474	LEG	EET CHI	08/08/24 17:07
Total/NA	Analysis	300.0		100	780474	LEG	EET CHI	08/08/24 17:23
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 14:47
Total/NA	Analysis	SM 2540C		1	780361	CLB	EET CHI	08/08/24 00:54
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 15:28
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 11:35

Client Sample ID: HEN_35_FD

Date Collected: 08/06/24 11:35

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:32
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 18:50

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_35_FD

Lab Sample ID: 500-253560-32

Date Collected: 08/06/24 11:35

Matrix: Water

Date Received: 08/07/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		10	781097	RN	EET CHI	08/12/24 14:57
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 07:05
Total/NA	Analysis	300.0		1	780474	LEG	EET CHI	08/08/24 17:38
Total/NA	Analysis	300.0		100	780474	LEG	EET CHI	08/08/24 17:54
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 14:57
Total/NA	Analysis	SM 2540C		1	780361	CLB	EET CHI	08/08/24 00:56
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 15:33
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 11:35

Client Sample ID: HEN_49

Lab Sample ID: 500-253560-35

Date Collected: 08/06/24 14:20

Matrix: Water

Date Received: 08/07/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 16:46
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 19:02
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	781097	RN	EET CHI	08/12/24 15:03
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 07:11
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 18:41
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 15:24
Total/NA	Analysis	SM 2540C		1	780361	CLB	EET CHI	08/08/24 01:04
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:58
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 14:20

Client Sample ID: HEN_50

Lab Sample ID: 500-253560-36

Date Collected: 08/06/24 15:35

Matrix: Water

Date Received: 08/07/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 17:11
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 19:18
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 07:24
Total/NA	Analysis	300.0		5	780474	LEG	EET CHI	08/08/24 19:59
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 15:37

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-11
SDG: HEN_845_804

Client Sample ID: HEN_50

Date Collected: 08/06/24 15:35

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	780361	CLB	EET CHI	08/08/24 01:12
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 15:47
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	08/06/24 15:35

Client Sample ID: HEN_FB

Date Collected: 08/06/24 00:00

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			780356	S1Z	EET CHI	08/08/24 09:15 - 08/08/24 15:15 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	781099	SJ	EET CHI	08/12/24 17:29
Total Recoverable	Prep	3005A			780445	BDE	EET CHI	08/08/24 09:16 - 08/08/24 15:16 ¹
Total Recoverable	Analysis	6020B		1	780867	RN	EET CHI	08/09/24 19:28
Total/NA	Prep	7470A			780506	MJG	EET CHI	08/08/24 12:00 - 08/08/24 14:00 ¹
Total/NA	Analysis	7470A		1	780728	MJG	EET CHI	08/09/24 07:32
Total/NA	Analysis	300.0		1	780474	LEG	EET CHI	08/08/24 21:01
Total/NA	Analysis	SM 2320B		1	781414	SO	EET CHI	08/13/24 16:15
Total/NA	Analysis	SM 2540C		1	780361	CLB	EET CHI	08/08/24 01:25
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 16:06

Client Sample ID: HEN_YSG_ILRIVER

Date Collected: 07/15/24 12:30

Date Received: 07/16/24 13:05

Lab Sample ID: 500-253560-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	781194	DN	EET CHI	07/15/24 12:30

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-24Q3

ATTACHMENT B.
Q4 2023 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-11
JEN-845-804
SDG: HEN_845_804

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	05-31-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7	Water	Lithium
Field Sampling		Water	Depth to Water (ft from MP)
Field Sampling		Water	Field pH
Field Sampling		Water	Field Temperature
Field Sampling		Water	Oxidation Reduction Potential
Field Sampling		Water	Oxygen, Dissolved
Field Sampling		Water	Specific Conductance
Field Sampling		Water	Turbidity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

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ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTEWATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		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						
1	HEN_21R													X					X	X	X	H	MS/MSD												
2	HEN_22													X					X	X	X	H													
3	HEN_22&D													X					X	X	X	H													
4	HEN_23													X					X	X	X	H													
5	HEN_25													X								J	DTW Only												
6	HEN_26													X								J	DTW Only												
7	HEN_27													X				X	X	X	H														
8	HEN_30													X								J	DTW Only												
9	HEN_31													X								J	DTW Only												
10	HEN_32													X				X	X	X	H														
11	HEN_33													X								J	DTW Only												
12	HEN_34													X				X	X	X	H														
13	HEN_35													X				X	X	X	H														
14	HEN_35_FD													X				X	X	X	H														
15	HEN_36													X								J	DTW Only												
16	HEN_40#C													X								F	SHORT HOLD - NO2												
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																							
HEN-24Q3 Rev 1		Lorne Filawicz			7-15-24	1700	Jigman EET			7/16/24	11:05																								
		DCU Jigman EET			7/16/24	13:05	Jigman EET			7/16/24	1305																								
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 Lorne Filawicz																																			
SIGNATURE of SAMPLER [Signature]																																			
DATE Signed (MM/DD/YY) 7-15-24																																			

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$\rightarrow 0.1 \rightarrow 0.2, 1.0 \rightarrow 0.9, 3.2 \rightarrow 3.1, 1.0 \rightarrow 0.9, 0.9 \rightarrow 0.8, 1.7 \rightarrow 1.6$

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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 <i>Loyne Filawicz</i>					
SIGNATURE of SAMPLER <i>Loyne Filawicz</i>	DATE Signed (MM/DD/YY) <i>7 16 24</i>				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								[Analysis Test]	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		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		
1	HEN_45#S				7-16-24	0842								X				X		X	B		SHORT HOLD - NO2						
2	HEN_46														X			X		X	G								
3	HEN_47														X			X		X	G								
4	HEN_48R													X						I									
5	HEN_49														X			X		X	H		MS/MSD						
6	HEN_50														X			X		X	H								
7	HEN_51														X			X		X	H								
8	HEN_52														X			X		X	G								
9	HEN_54														X			X		X	G								
10	HEN_54-FB														X			X		X	G								
11	HEN_55														X			X		J			DTW Only						
12	HEN_YSG ILRIVER													X	X	X	X	X	X	X	J		DTW Only						
13	HEN_XSG01														X			X		J			DTW Only						
14	FB															X		X		C			SHORT HOLD - NO2						
15	TB1				07-16-24	00:00												X		A			BTEX Only						
16	TB2																	X		A			BTEX Only						
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																			
HEN-24Q3 Rev 1		Lorne F. Filowicz		7/16/24	1546	Lorne F. Filowicz		7/17/24	0940																				
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 Lorne F. Filowicz																													
SIGNATURE of SAMPLER [Signature]										DATE Signed (MM/DD/YY) 7/16/24																			

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REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

6.1 $\rightarrow$ 5.7

NAME OF SAMPLER		DATE
C. Lorne Filer		8/1/68
SIGNATURE OF SAMPLER		DATE
C. Lorne Filer		8/1/68

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ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> <u>CODE</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									$\downarrow$ Analysis Test $\uparrow$	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			
1		HEN 21R																X				X		X	X	H		MS/MSD				
2		HEN 22																	X				X	X	H							
3		HEN 22&D																X				X	X	H								
4		HEN 23																X				X	X	H								
5		HEN 25																X						J		DTW Only						
6		HEN 26																X						J		DTW Only						
7		HEN 27																	X			X	X	H								
8		HEN 30																	X					J		DTW Only						
9		HEN 31																	X					J		DTW Only						
10		HEN 32																	X			X	X	H								
11		HEN 33																	X					J		DTW Only						
12		HEN 34																	X			X	X	H								
13		HEN 35																	X			X	X	H								
14		HEN 35 FD																	X			X	X	H								
15		HEN 36																	X					J		DTW Only						
16		HEN_40#S																X						E		SHORT HOLD - NO2						
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																			
HEN-24Q3 Rev 1		Conefutura			7-19-24	1300	Shirley Smith				7/18/24	1300																				

08/28/24

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500-253560 COC

Requested Analysis Filtered (Y/N)24

58 → 57, 18 → 17, 58 → 57
62 → 59, 43 → 42

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

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ER	DATE Signed (MM/DD/YY)
ER	8-7-24

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-253560-11

SDG Number: HEN_845_804

Login Number: 253560

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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	4.0,-0.2,0.9,3.1,0.9,0.8,1.6,5.7,11.8,12.7,11.8,9.1,11.3,5.7,1.7,5.7,5.9,4.2
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").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Start Date: 7/14/2024 Time: 0805								
Project Number: 2024.0054		Task #: 0805		Finish Date: Same Time: 0805								
Field Personnel: Lorne T.		Time: 0805										
WELL INFORMATION		EVENT TYPE										
Well ID: 02		Low-Flow / Low Stress Sampling										
Casing ID: 2"		Other (Specify): Low Flow										
Well Development		YSI SERIAL NO 245160326										
Well Volume Approach Sampling		Herson # 12083302054FR										
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	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/Odor
pre	0	0805		44.88		14.4	7.05	984	7.05	3.17	167.8	Clear
purge	5	0810				14.1	7.05	954	7.05	7.40	169.9	
	10	0815		44.97		14.1	7.04	939	7.04	1.60	171.0	
	15	0820				14.2	7.02	938	6.99	1.51	171.5	
*	20	0825		44.97								
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)										ABBREVIATIONS		
Sample ID, date, & time: ID 02 7-16-24 0825										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units		
										Temp - Temperature °C - Degrees Celsius		

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Start Date: 7/16/2024		Time: 0920						
Project Number: 2024.0054		Task #:		Finish Date: 07/16/24		Time: 1050						
Field Personnel: B. Asselmy												
WELL INFORMATION				EVENT TYPE								
Well ID: Hen-038		Inches		Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): Low Flow				
Casing ID:								YSI SERIAL NO 24A01225				
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	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/Odor
pre	0	0925	0.5	34.91	—	18.3	7.19	0.820	4.80	7.88	-14.4	—
purge	5	0927	0	34.90	—	18.2	7.20	0.784	0.30	12.03	81.5	Clear
↓	10	0932	0.5	34.90	—	18.2	7.21	0.792	0.29	9.16	62.0	↓
↓	15	0937	1	34.90	—	18.3	7.21	0.797	0.27	8.70	71.3	↓
↓	20	0942	2	34.90	—	18.3	7.21	0.797	0.27	8.72	71.6	↓
↓	25	0947	3	34.90	—	18.2	7.21	0.792	0.20	4.88	81.0	↓
↓	30	0952	4	34.90	—							↓
↓	35	0953										
↓	40											
↓	45											
↓	50											
↓	55											
↓	60											
NOTES (continued)												
Sample ID, date, & time: Sampled @ 0953 on 07/16/24												
Duplicate @ 0953 on 07/16/24												
Sample ID: Hen-038												

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION													
Site: Hennepin		Client: Vista		Start Date: 7/16/2024		Time: 1045							
Project Number: 2024.0054		Task #:		Finish Date: SAME		Time: 1120							
Field Personnel: Lorne		Finish Date: SAME		Time: 1120									
WELL INFORMATION				EVENT TYPE									
Well ID: 05F				Well Development				Low-Flow / Low Stress Sampling					
Casing ID: 2"				Well Volume Approach Sampling				Other (Specify): Low Flow					
				YSI SERIAL NO				24E100326					
WATER QUALITY INDICATOR PARAMETERS (continued)													
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C) +/- 10%	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 5%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor	
pre	0	1045		41.11		20.4	7.64	918	1.19	870	160.7	clear	
purge	5	1050		41.1		20.5	7.63	918	0.74	776	160.7		
	10	1055				20.3	7.63	915	0.67	701	159.3		
	15	1100		41.11		20.3	7.63	916	0.61	586	159.2		
*	20	1105				20.3	7.63	915	0.60	479	158.6		
	25	1110		(41.15)		20.3	7.63	916	0.61	390	158.5		
	30	1115		41.15		20.4	7.63	917	0.60	335	158.5		
	35	1120											
	40												
	45												
	50												
	55												
	60												
Sample ID, date, & time:				NOTES (continued)								ABBREVIATIONS	
ID 05F 7-16-24 Time 1120												ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp - Temperature °C - Degrees Celsius	

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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra										
Project Number: 2024.0054		Task #: 1140		Time: 1140								
Field Personnel: Lorne		Start Date: 7/16/2024		Time: 1215								
Finish Date:		Same		Time: 1215								
WELL INFORMATION												
Well ID: 5122		Well Development		EVENT TYPE								
Casing ID: 2"		Well Volume Approach Sampling		Low-Flow / Low Stress Sampling								
		Well Volume Approach Sampling		Other (Specify): Low Flow								
				YSI SERIAL NO 24E100 326								
WATER QUALITY INDICATOR PARAMETERS (continued)												
Heron 12DF2202054 FR												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 10%	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	1145		41.11				914	3.34	3.36	159.4	clear
purge	5	1150				20.1	7.43	914	3.34	3.36	159.4	
	10	1155		41.11		20.0	7.41	914	3.34	3.36	159.3	
	15	1200				19.9	7.41	913	3.34	3.36	158.5	
*	20	1205		41.11		19.9	7.41	913	3.34	3.36	157.8	
	25	1210				19.9	7.41	913	3.34	3.36	156.8	
	30	1215		41.11		19.9	7.41	913	3.34	3.36	156.1	
	35	1220										
	40											
	45											
	50											
	55											
	60											
NOTES (continued)										ABBREVIATIONS		
Sample ID, date, & time: 7-16-24 Time 1215 ID 5122										Cond. - Actual Conductivity FT - Foots below top of Casing mg - Not Applicable mm - Not Measured ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp - Temperature °C - Degrees Celsius		

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION															
Site: Hennepin		Client: Vista		Start Date: 7/15/2024		Time: 1430									
Project Number: 2024.0054		Task #:		Finish Date: 5 Aug		Time: 1520									
Field Personnel: Lorne F															
WELL INFORMATION				EVENT TYPE											
Well ID: 07				Low-Flow / Low Stress Sampling											
Casing ID: 2"				Other (Specify Low-Flow)											
				YSI SERIAL NO 24E100326											
WATER QUALITY INDICATOR PARAMETERS (continued)															
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- .002	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor			
pre	0	1430		67.77		89.0									
purge	5	1450				16.4	6.67	1.419	7.35	1.66	182.2	Clear			
	10	1455		67.77		16.8	6.67	1.520	7.26	1.99	182.7				
	15	1500				16.9	6.66	1.622	7.04	1.67	189.6				
	20	1505		67.77		16.5	6.65	1.655	6.85	2.00	191.9				
	25	1510				16.4	6.65	1.659	6.84	2.47	191.9				
	30	1515		67.77		16.4	6.65	1.662	6.82	2.66	192.1				
	35	1520													
	40														
	45														
	50														
	55														
	60														
NOTES (continued)										ABBREVIATIONS					
Sample ID, date, & time: Sample @ 1520										Cond - Actual Conductivity			ORP - Oxidation-Reduction Potential SEC - Specific Electrical		
										FT BTOC - Feet Below Top of Casing			Conductance SU - Standard Units		
										na - Not Applicable			Tempo - Temperature		
										mm - Not Measured			°C - Degrees Celsius		

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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Start Date: 7/16/2024		Time: 1330						
Project Number: 2024.0054		Task #: 1400		Finish Date: Same		Time: 1400						
Field Personnel: Corne												
WELL INFORMATION				EVENT TYPE								
Well ID: 08		Well Development		Low-Flow / Low Stress Sampling		YSI SERIAL NO						
Casing ID: 211		Well Volume Approach Sampling		Other (Specify): Low Flow		24E100 326						
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 10%	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	1330		53.62								Clear
purge	5	1335				15.0	6.65	1608	3.77	1.49	188.8	
	10	1340		53.61		17.1	6.67	1605	2.71	1.35	188.9	
	15	1345				17.8	6.66	1617	2.31	1.30	189.6	
*	20	1350		53.61		18.2	6.65	1602	2.22	1.37	189.6	
	25	1355				18.1	6.65	1597	2.22	1.70	189.6	
	30	1400		53.61		18.1	6.65	1597	2.21	1.78	189.4	
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)				ABBREVIATIONS								
Sample ID, date, & time: ID 08 7-16-24 Time 1400				Cond - Actual Conductivity Ft - Feet Below Top of Casing Ft - Not Measured dm - Not Measured °C - Degrees Celsius								

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Start Date: 7/16/2024		Time: 1510						
Project Number: 2024.0054		Task #:		Finish Date: 07/16/2024		Time: 1538						
Field Personnel: G. Acallany												
WELL INFORMATION				EVENT TYPE								
Well ID: HEN-08D		inches		Well Development Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other (Specify): Low Flow		YSI SERIAL NO 24A101225				
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mv) +/- 10%	Visual Clarity/Odor
pre	0	1515	—	54.09	—	15.8	6.96	1.862	3.10	4.62	190.0	clear
purge	5	1520	0.5	54.05	—	15.4	6.68	1.838	0.52	4.23	197.7	clear
↓	10	1525	0.5	54.09	—	15.5	6.68	1.838	0.48	4.67	197.8	↓
↓	15	1530	1	54.09	—	15.4	6.69	1.835	0.22	4.64	197.1	↓
↓	20	1535	1.5	54.08	—	15.3	6.69	1.826	0.18	4.56	196.1	↓
↓	25	1540	1.5	54.06	—	15.4	6.69	1.824	0.28	4.91	195.6	↓
↓	30	1545	2.5	54.08	—							
Final	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)										ABBREVIATIONS		
Sample ID: HEN-08D on 07/16/24										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units		
Sampled at 1546 on 07/16/24										Temp - Temperature °C - Degrees Celsius		

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira Start Date: 7/16/2024 Time: 0915
Project Number: 2024.0054 Task #: Same Finish Date: 0945

WELL INFORMATION

Well ID: 10 Casing ID: 2 inches
Well Development: Well Volume Approach Sampling

EVENT TYPE

Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO

24E100326

WATER QUALITY INDICATOR PARAMETERS (continued)

12.DF2202054FF Heron

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.01	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	0915		50.67		39%	7.14	890	2.67	0.92	176.7	clear
purge	5	0926		50.65		20.2	7.12	893	1.17	0.72	176.9	
	10	0925				20.3	7.12	897	0.99	0.75	174.3	
	15	0930				20.4	7.11	895	0.96	0.96	172.4	
	20	0935				20.3	7.11	894	0.94	0.64	171.7	
	25	0940				20.3	7.11	894	0.93	0.81	170.8	
	30	0945										
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID, date, & time:

ID-10 7-16-24 Time 0945

ABBREVIATIONS

Cond - Actual Conductivity
FT BTQC - Feet Below Top of Casing
nd - Not Applicable
mm - Not Measured

ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units
Temp - Temperature
C - Degrees Celsius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION													
Site: Hennepin		Client: Vistra		Start Date: 7/15/2024		Time: 1500							
Project Number: 2024.0054		Task #: 1600		Finish Date: 7/15/24		Time: 1600							
Field Personnel: A. Belkoff, P. Asimov													
WELL INFORMATION				EVENT TYPE									
Well ID: HEN-12		Inches		Well Development Well Volume Approach Sampling				Low-Flow / Low Stress Sampling Other (Specify): Low Flow				YSI SERIAL NO 24101225	
WATER QUALITY INDICATOR PARAMETERS (continued)													
Sampling Stage	Minutes Elapsed	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/Odor	
pre	0	1505	—	51.4	—	18.4	7.60	710	5.47	5.27	46.4	Clear	
purge	5	1510	0.5	51.39	0.01	17.4	7.34	677	2.92	5.64	79.6	Clear	
↓	10	1515	0.5	51.38	0	17.3	7.33	676	2.85	5.22	88.4	Clear	
↓	15	1520	1	51.38	0	17.3	7.33	676	2.82	4.89	95.3	Clear	
↓	20	1525	1.5	51.4	0.02	17.3	7.32	677	2.84	4.57	101.0	↓	
↓	25	1530	2.5	51.4	0	18.0	7.32	678	2.81	4.02	100.5	↓	
↓	30	1535	3.0	51.4	0	18.0	7.32	678	2.79	4.03	108.5	↓	
↓	35	1540	3.0	51.4	0	18.0	7.32	678	2.79	4.03	108.5	↓	
	40												
	45												
	50												
	55												
	60												
Sample ID, date, & time:				NOTES (continued)								ABBREVIATIONS	
Sampled at: 1545 on 7/15/24				★ At 1525, water level below pump.								ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units	
Sample ID: Hen-12												Temp - Temperature °C - Degrees Celsius	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira Start Date: 7/15/2024 Time: 1600
Project Number: 2024.0054 Task #: _____
Field Personnel: G. Asaillong Finish Date: 07/15/24 Time: 1640

WELL INFORMATION

Well ID: Hen-13
Casing ID: _____ inches

EVENT TYPE

Well Development
Well Volume Approach Sampling
Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO
2461225

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	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/Odor
pre	0	1610		51.36	0.01	18.1	7.34	307	7.51	2.51	139.3	clear
purge	5	1612	1	51.37	0.01	18.1	7.34	307	7.51	2.51	139.3	clear
↓	10	1617		51.38	0.01	17.8	7.35	685	2.44	4.19	138.9	↓
↓	15	1622	2	51.38	0	17.7	7.35	684	2.38	4.23	138.0	↓
↓	20	1627		51.35		17.6	7.35	684	2.37	4.20	139.1	↓
↓	25	1633	3									↓
↓	30											
↓	35											
↓	40											
↓	45											
↓	50											
↓	55											
↓	60											

NOTES (continued)

Sample ID, date, & time: 1635 07/15/24
sample ID: Hen-13

ABBREVIATIONS

Cond - Actual Conductivity
F - 1°C - 1000 µS/cm
na - Not Applicable
nm - Not Measured

ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductivity
Temp - Temperature
°C - Degrees Celsius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Start Date: 7/16/2024		Time: 1455						
Project Number: 2024.0054		Task #:		Finish Date: Same		Time:						
Field Personnel: Lorne		Finish Date: Same		Time:								
WELL INFORMATION				EVENT TYPE								
Well ID: 14		Casing ID: 2		Well Development Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other (specify): Low Flow		YSI SERIAL NO 245100326				
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C) +/- 10%	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	1455		54.22		21.7	7.25	818	2.06	1.45	216.4	Clear
purge	5	1500				21.9	7.27	822	2.08	1.30	209.5	
	10	1505		54.22		22.0	7.27	822	2.53	1.13	205.5	
	15	1510				21.9	7.27	823	2.51	1.17	201.6	
*	20	1515		54.22		22.0	7.27	823	2.50	1.15	195.9	
	25	1520				22.0	7.27	823	2.48	1.13	193.5	
	30	1525		54.22		22.1	7.27	823	2.48	1.12	192.9	
	35	1530		54.22								
	40											
	45											
	50											
	55											
	60											
Sample ID, date, & time:				NOTES (continued)				ABBREVIATIONS				
TD 16 7-16-24				Time 1530				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units				
				Dupe at 1540				Temp - Temperature °C - Degrees Celsius				

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Task #: 845								
Project Number: 0054		Start Date: 8/6/2024		Time: 0845								
Field Personnel: Corne F.		Finish Date: 8/6/2024		Time: 0910								
WELL INFORMATION				EVENT TYPE								
Well ID: 17		Casing ID: 2		Well Development Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other (Specify): Low Flow						
				YSI SERIAL NO: 3414101283 Heron Serial NO: 010272X								
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0856		56.12		21.9	7.23	.789	6.89	.88	65.6	Clear
Purge	5	0855		56.12		22.5	7.24	.789	6.91	1.43	78.7	
	10	0900		56.12		22.9	7.24	.789	6.89	1.49	80.3	
	15	0905		56.12		23.0	7.24	.789	6.82	1.41	84.2	
*****	20	0910		56.12		23.0	7.24	.789	6.79	1.43	88.7	
Final	25	0915	2.9AL									
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)				ABBREVIATIONS								
Sample ID: 17				Cond. - Actual Conductivity								
Sampled @ 0910 on 8/6/24				FT BTDC - Feet Below Top of Casing na -								
				Not Applicable								
				nm - Not Measured								
				°C - Degrees Celsius								

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Start Date: 7/16/2024 Time: 1240								
Project Number: 2024.0054		Task #:		Finish Date: 07/16/24 Time: 1337								
Field Personnel: G. Asgaly												
WELL INFORMATION				EVENT TYPE								
Well ID: H24-18D		Well Development		Low-Flow / Low Stress Sampling		YSI SERIAL NO						
Casing ID:		Well Volume Approach Sampling		Other (Specify): Low Flow		24A101225						
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µS/cm)	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)	Visual Clarity/Odor
pre	0	1241	—	40.45	—	—	—	—	—	—	—	—
purge	5	1245	—	40.40	—	18.1	7.29	0.784	3.23	6.7	162.7	Clear
↓	10	1250	1	40.30	—	18.9	7.19	0.786	2.01	9.53	167.5	↓
↓	15	1255	1.5	40.55	—	18.4	7.18	0.784	0.53	8.00	166.3	↓
↓	20	1300	2	40.57	—	17.8	7.17	0.788	0.45	8.94	164.4	↓
↓	25	1305	2	40.60	—	18.4	7.18	0.787	0.44	9.00	162.5	↓
↓	30	1310	2.5		—	18.4	7.17	0.783	0.69	8.92	160.4	↓
↓	35	1315	3		—	18.5	7.17	0.785	0.66	8.88	159.4	↓
Final	40											
	45											
	50											
	55											
	60											
NOTES (continued)				ABBREVIATIONS								
Sample ID, date, & time: Sample ID: Hen_18&D				ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units								
Sampled at @ 1317				Temp - Temperature °C - Degrees Celsius								

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra		Time: 11/4/24								
Project Number: 2024.0054		Task #: 1144		Start Date: 7/10/2024								
Field Personnel: George Aschallery		Finish Date: 09/16/2024		Time: 12:31								
WELL INFORMATION				EVENT TYPE								
Well ID: Hen-185		Well Development		Low-Flow / Low Stress Sampling		YSI SERIAL NO						
Casing ID:		Well Volume Approach Sampling		Other (Specify): Low Flow		24A101225						
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	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/Odor
pre	0	1144	—	40.39	—	—	—	—	—	—	—	—
purge	5	1145	0	—	—	17.3	7.45	0.903	86.7	3.67	139.0	—
↓	10	1150	0.5	—	—	18.0	7.36	0.823	0.74	7.65	148.1	↓
↓	15	1155	1	40.41	—	17.9	7.37	0.811	0.32	5.38	148.1	↓
↓	20	1200	1.5	—	—	17.9	7.37	0.810	0.24	5.12	148.2	↓
↓	25	1205	2	—	—	17.9	7.37	0.811	0.21	4.50	147.2	↓
↓	30	1234	—	—	—	—	—	—	—	—	—	—
↓	35	—	—	—	—	—	—	—	—	—	—	—
↓	40	—	—	—	—	—	—	—	—	—	—	—
↓	45	—	—	—	—	—	—	—	—	—	—	—
↓	50	—	—	—	—	—	—	—	—	—	—	—
↓	55	—	—	—	—	—	—	—	—	—	—	—
↓	60	—	—	—	—	—	—	—	—	—	—	—
Sample ID, date, & time:				NOTES (continued)						ABBREVIATIONS		
Sample ID: Hen-185-6A				Sampled @ 1206						ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductivity		
Sample ID: Hen-185-6A				Sample ID: Hen-1875						FT BTCC - Feet Below Top of Casing		
Sample ID: Hen-185-6A				Sample ID: Hen-1875						na - Not Applicable		
Sample ID: Hen-185-6A				Sample ID: Hen-1875						nm - Not Measured		
Sample ID: Hen-185-6A				Sample ID: Hen-1875						°C - Degrees Celsius		

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vistra Task #: _____ Start Date: 8/6/2024 Time: 1240

Project Number: _____

Field Personnel: G. Assalling Finish Date: 8/6/24 Time: 1340

WELL INFORMATION

Well ID: -21R Casing ID: _____

Well Development: _____ Well Volume Approach Sampling: _____

Inches: 2

Event Type: Low Flow / Low Stress Sampling Other: _____

YSI SERIAL NO: U123119X Heron Serial NO: U116738X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1247	—	6.11	—	—	—	—	—	—	—	6A
Purge	5	1250	0.52	6.22	—	16.8	7.46	0.967	2.92	26.64	-94.7	Clear
	10	1255	0.5	6.34	—	14.3	6.22 7.42	0.973	2.93	31.41	-126.0	" "
	15	1300	1	6.25	—	14.0	7.42	0.969	3.77	23.62	-136.2	" "
*****	20	1305	2	6.21	—	14.0	7.42	0.970	3.86	21.89	-137.4	" "
✓	25	1310	2.5	6.20	—	13.9	7.42	0.969	3.77	21.59	-139.5	" "
Final	30	1335	4	6.25	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: -21R, -21RMS -21RMSD
 Sampled @ 1315 on 8/6/24

ABBREVIATIONS

Cond - Actual Conductivity
 FT BTOC - Feet Below Top of Casing
 Net Applicable
 nm - Not Measured
 ORP - Oxidation-Reduction Potential SEC
 Specific Electrical Conductance SU - Standard Units
 Temp - Temperature
 °C - Degrees Celsius

MSMSD
 21R @ 1315
 21R - MS
 21R - MS - MSD



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira Task #: 1525 Time: 1525
 Project Number: 8/15/2024
 Field Personnel: G. Ascalon Finish Date: 8/6/24 Time: 1600

WELL INFORMATION

Well ID: 22 Inches 2'

EVENT TYPE

Well Development
Well Volume Approach Sampling

Low-Flow/ Low Stress Sampling Other YSI SERIAL NO: 122519X
 Heron Serial NO: 416738x

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1525	—	18.58	—	—	—	—	—	—	—	—
Purge	5	1536	0.5	18.64	—	16.6	7.66	0.875	4.30	0.77	75.1	Clear
	10	1535	0.5	18.71	—	15.9	7.52	0.871	3.18	1.36	63.1	" "
	15	1540	1	18.69	—	15.9	7.53	0.869	3.19	1.09	56.4	" "
****	20	1545	2	18.63	—	15.9	7.53	0.869	3.16	1.17	55.4	" "
Final	25	1552	—	18.58	—	—	—	—	—	—	—	—
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

ABBREVIATIONS

Coys - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
Units
nm - Not Measured
Temp - Temperature
°C - Degrees Celsius

Sample ID: 22
 Sampled @ on 8/16/2024

1550



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION	
Site: Hennepin	Client: Vistra
Project Number: 6. Assembly	Task #: 8/6/2024
Field Personnel: G. Asally	Finish Date: 8/6/24
	Time: 1525
WELL INFORMATION	
Well ID: ZzD	2" Inches
Casing ID:	

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1445	—	20.0	—	—	—	—	—	—	—	—
Purge	5	1450	0.32	20.36	—	17.6	7.31	0.935	3.70	4.65	92.3	Clear
	10	1455	0.5	19.72	—	16.5	7.21	0.947	1.57	3.99	-56.3	" "
	15	1500	1	19.43	—	16.5	7.21	0.950	4.01	3.70	-77.5	" "
*****	20	1505	1.5	19.39	—	16.5	7.22	0.950	1.07	3.56	-84.2	" "
↓	25	1510	2	19.35	—	16.5	7.22	0.951	0.94	3.14	-82.2	" "
Final	30	1522		19.40								
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
845 QUARTERLY HENNEPIN POWER PLANT												

Sample ID: -22D	NOTES (continued)
Sampled @ 1515 on 8/6/24	

845 QUARTERLY REPORT - QUARTER 3, 2024

HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

HEN-845-804

ATTACHMENT B.

1515

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vistra										
Project Number: 2024.0054		Task #: 1		Start Date: 7/18/2024		Time: 0840						
Field Personnel: G. Azevedo		Finish Date: 07/18/24		Time: 0955								
WELL INFORMATION				EVENT TYPE								
Well ID: Hen-23		Inches		Well Development		Low-Flow / Low Stress Sampling		YSI SERIAL NO				
Casing ID:				Well Volume Approach Sampling		Other (Specify): Low Flow		41223181				
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C)	pH (SU)	SEC or Cond. (µscm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity/Odor
pre	0	0841	—	16.51	—	—	—	—	—	—	—	—
purge	5	0845	0.5	16.64	—	13.6	7.31	1.077	1.74	10.54	-52.8	Clear
↓	10	0850	0.5	16.72	—	13.5	7.47	1.076	0.25	9.42	-97.3	↓
↓	15	0855	1	16.80	—	13.5	7.45	1.072	0.21	10.39	-100.3	↓
↓	20	0900	2	16.85	—	13.5	7.48	1.069	0.18	12.60	-99.4	↓
↓	25	0905	3	16.79	—	13.5	7.49	1.068	0.16	19.96	-95.0	↓
↓	30	0910	4	16.72	—	13.6	7.50	1.067	0.16	19.66	-91.3	↓
↓	35	0915	4.5	16.77	—	13.6	7.51	1.067	0.15	16.58	-87.0	↓
↓	40	0920	5	16.80	—	13.6	7.51	1.067	0.14	11.48	-85.3	↓
↓	45	0925	5.5	16.82	—	13.6	7.51	1.066	0.14	12.54	-82.9	↓
↓	50	0930	6.5	16.68	—	13.6	7.51	1.066	0.14	13.8	-80.4	↓
↓	55	0935	7	16.72	—	13.6	7.51	1.065	0.13	15.49	-78.6	↓
↓	60	0940	7.5	16.84	—	13.4	7.51	1.066	0.13	6.84	-78.1	↓
NOTES (continued)										ABBREVIATIONS		
Sample ID: Hen-23										Cond. - Actual Conductivity in µS/cm (Feet below top of casing)		
Sampled at 0945 on 7/18/24										ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units		
										Temp - Temperature °C - Degrees Celsius		

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vistra
 Project Number: Task #: Start Date: 8/16/2024 Time: 1018
 Field Personnel: G. Assalony Finish Date: 8/16/2024 Time: 1055

WELL INFORMATION

Well ID: 21 Casing ID: 21 Inches

EVENT TYPE

Well Development
Well Volume Approach Sampling

Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

YSI SERIAL NO: 11223182
Heron Serial NO: 446728 X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1020	0	4.46	—	—	—	—	—	—	—	—
Purge	5	1025	0.5	4.43	—	12.9	7.12	0.950	0.43	10.15	1.9	Clear
	10	1030	1	4.41	—	12.8	7.11	0.950	0.23	7.89	-6.7	" "
	15	1035	1.5	4.43	—	12.8	7.11	0.950	0.16	5.75	-11.3	" "
****	20	1040	3	4.42	—	12.7	7.11	0.949	0.11	6.57	-14.7	" "
End	25	1055	3.5	4.34	—	—	—	—	—	—	—	—
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 27
 Sampled @ 1045 on 8/16/2024

ABBREVIATIONS

Cond. - Actual Conductivity
 FT BT OC - Feet Below Top of Casing na -
 Not Applicable
 nm - Not Measured
 Temp. - Temperature
 C - Degrees Celsius

ORP - Oxidation-Reduction Potential
 SEC - Specific Electrical Conductance
 SU - Standing Units
 Temp. - Temperature
 C - Degrees Celsius

Sampled @ 1045



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira Task #: Start Date: 8/6/2024 Time: 0930
 Project Number: Finish Date: 8/6/2024 Time: 1015
 Field Personnel: G. Asaill

WELL INFORMATION

Well ID: 52 Casing ID: 2 Inches
 Well Development: Well Volume Approach Sampling
 Low Flow / Low Stress Sampling Other: YSI SERIAL NO: 4172318 X
 Heron Serial NO: U116738X

EVENT TYPE

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0930	—	5.48	—	—	—	—	—	—	—	GA
Purge	5	0935	0.32	5.50	—	13.3	7.11	0.821	2.69	16.25	73.5	Clear
	10	0940	2	5.45	—	13.3	7.06	0.819	2.40	3.43	74.1	" "
	15	0945	3	5.48	—	13.4	7.05	0.818	0.80	5.72	75.5	" "
*****	20	0950	4	5.65	—	13.3	7.08	0.818	0.65	4.06	69.4	" "
↓	25	0955	5	5.45	—	13.4	7.06	0.817	0.62	2.25	68.4	" "
Final	30	1000	6	5.35	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: —32
 Sampled @ 1000 on 8/6/2024

ABBREVIATIONS

Cond - Actual Conductivity
 FT BTOC - Feet Below Top of Casing
 Not Applicable
 mm - Not Measured
 ORP - Oxidation-Reduction Potential
 SEC - Specific Electrical Conductance
 SU - Standard Units
 Temp - Temperature
 °C - Degrees Celsius

Sampled @ 1000



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira
Project Number: Task #: Start Date: 8/6/2024 Time: 0847
Field Personnel: G. Asailler Finish Date: 8/6/2024 Time: 0920

WELL INFORMATION

Well ID: 34
Casing ID: 2nd Inches

EVENT TYPE

Well Development
Well Volume Approach Sampling

Low-Flow/
(Specify) Low Flow

YSI SERIAL NO: U12218X
Heron Serial NO: U116738X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0840	—	8.25	—	—	—	—	—	—	—	Col
Purge	5	0845	0.5	8.32	—	12.9	7.20	1.107	3.54	12.49	-75.6	6120
	10	0850	0.5	8.40	—	13.1	7.02	1.071	0.74	15.07	-93.5	"
	15	0855	1	8.37	—	13.1	6.99	1.075	0.28	14.02	-98.7	"
*****	20	0900	1.5	8.30	—	13.1	6.98	1.074	0.20	13.17	-100.00	"
↓	25	0905	2	8.22	—	12.6	6.99	1.082	0.15	13.79	-101.7	"
Final	30	0915	2.5	8.31	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)										ABBREVIATIONS		
Sample ID: <u>34</u>										Cond. - Actual Conductivity		
Sampled @ <u>0910</u> on <u>8/6/2024</u>										FT BTOC - Feet Below Top of Casing =		
										Not Applicable		
										nm - Not Measured		
										°C - Degrees Celsius		

845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT WEST ASH POND SYSTEM
HEN-845-804

ATTACHMENT B.

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION Site: <u>Hennepin</u> Project Number: <u>Task #:</u> Client: <u>Visira</u> Start Date: <u>8/6/2024</u> Time: <u>110</u> Field Personnel: <u>G. Asalluy</u> Finish Date: <u>8/4/2024</u> Time: <u>1200</u>	
WELL INFORMATION Well ID: <u>33</u> Casing ID: <u>2</u> inches	
EVENT TYPE Well Development Well Volume Approach Sampling	
Low-Flow / Low Stress Sampling Other (Specify): Low Flow	
YSI SERIAL NO: <u>4122318X</u> Heron Serial NO: <u>416388</u>	

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1112	—	8.39	—	—	—	—	—	—	—	CA
Purge	5	1115	0.5	8.45	—	15.9	6.88	1.810	1.00	5.17	106.5	Clear
*****	10	1120	0.5	8.49	—	15.8	6.85	1.728	0.32	2.07	111.0	" "
	15	1125	1	8.51	—	15.8	6.85	1.718	0.18	6.85	113.5	" "
	20	1130	1.5	8.42	—	15.8	6.85	1.723	0.14	6.85	114.6	" "
	25	1152	3	8.39	—	—	—	—	—	19.47	—	CA
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
845 QUARTERLY HENNEPIN POWER PLAN												

NOTES (continued) Sample ID: <u>33</u> Sampled @ <u>1135</u> on <u>8/6/2024</u>	
ABBREVIATIONS Cond. - Actual Conductivity FT BTOC - Feet Below Top of Casing na Not Applicable mm - Not Measured ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units Temp - Temperature C - Degrees Celsius	

845 QUARTERLY REPORT - QUARTER 3, 2024
 HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
 HEN-845-804

Field @ 1135
 Dup

- 1
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WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: Vista		Start Date: 7/16/2024		Time: 1440 GA						
Project Number: 2024.0054		Task #: 1420		Finish Date: 07/16/2024		Time: 1452						
Field Personnel: S. Assa												
WELL INFORMATION				EVENT TYPE								
Well ID: HEN-405				Well Development Well Volume Approach Sampling			Low-Flow / Low Stress Sampling Other (Specify): Low Flow					
Casing ID: inches				YSI SERIAL NO 24A101225								
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	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/Odor
pre	0	1421		40.38		17.8	7.84	0.723	0.90		10.4	
purge	5	1425		40.38		17.8	7.84	0.718	0.26	9.90	110.3	
↓	10	1430		40.38		17.8	7.84	0.715	0.20	9.03	115.2	↓
↓	15	1435		40.38		17.8	7.83	0.714	0.18	8.50	118.1	↓
↓	20	1440		40.38		17.8	7.83					↓
Preval	25	1445		40.38								
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)												
Sample ID, date, & time: Sample ID: Hen-4045 Sampled at 1443 on 07/16/24												

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: Hennepin		Client: <u>Visira</u>		Start Date: <u>7/16/2024</u>		Time: <u>0807</u>						
Project Number: 2024.0054		Task #: _____		Finish Date: <u>07/16/2024</u>		Time: <u>0907</u>						
Field Personnel: <u>G. Assalery</u>		Finish Date: _____		Time: _____								
WELL INFORMATION				EVENT TYPE								
Well ID: <u>Hen-455</u>		inches		Well Development		Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other (Specify): Low Flow				
Casing ID: _____								YSI SERIAL NO <u>24A101225</u>				
WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	<u>0807</u>	<u>—</u>	<u>20.26</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
purge	5	<u>0810</u>	<u>0</u>	<u>20.24</u>	<u>—</u>	<u>19.7</u>	<u>7.10</u>	<u>0.911</u>	<u>1.73</u>	<u>37.54</u>	<u>13.9</u>	<u>Clear</u>
↓	10	<u>0815</u>	<u>0</u>	<u>20.25</u>	<u>—</u>	<u>19.6</u>	<u>7.08</u>	<u>0.916</u>	<u>0.45</u>	<u>32.18</u>	<u>57.7</u>	↓
↓	15	<u>0820</u>	<u>1</u>	<u>20.23</u>	<u>—</u>	<u>19.6</u>	<u>7.07</u>	<u>0.913</u>	<u>0.21</u>	<u>22.48</u>	<u>76.7</u>	↓
↓	20	<u>0825</u>	<u>1</u>	<u>20.22</u>	<u>—</u>	<u>19.6</u>	<u>7.07</u>	<u>0.911</u>	<u>0.18</u>	<u>16.01</u>	<u>84.9</u>	↓
↓	25	<u>0830</u>	<u>2</u>	<u>20.24</u>	<u>—</u>	<u>19.6</u>	<u>7.07</u>	<u>0.910</u>	<u>0.17</u>	<u>12.34</u>	<u>90.0</u>	↓
↓	30	<u>0835</u>	<u>3</u>	<u>20.23</u>	<u>—</u>	<u>19.7</u>	<u>7.07</u>	<u>0.912</u>	<u>0.18</u>	<u>12.10</u>	<u>94.5</u>	↓
↓	35	<u>0840</u>	<u>4</u>	<u>20.23</u>	<u>—</u>	<u>19.7</u>	<u>7.07</u>	<u>0.911</u>	<u>0.17</u>	<u>12.12</u>	<u>96.2</u>	↓
Final	40	<u>0842</u>	<u>5</u>	<u>20.22</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
	45											
	50											
	55											
	60											
NOTES (continued)												
Sample ID, date, & time: Sampled (a) <u>0842</u> on <u>07/16/24</u>												
Sample ID: <u>Hen-455</u>												
ABBREVIATIONS												
Cond. - Actual Conductivity m - 1 ft or First Below Top of Casing Temp. - Temperature mm - Not Measured ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units °C - Degrees Celsius												

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visita
 Project Number: 6054 Task #: 8/6/2024 Time: 0930
 Field Personnel: Lorne F. Finish Date: Same Time: 0955

WELL INFORMATION

Well ID: 46
 Casing ID: 2" Inches

EVENT TYPE

Well Development
 Well Volume Approach Sampling

Low-Flow / Low Stress Sampling Other
 (Specify): Low Flow

YSI SERIAL NO: 249161225
 YSI Serial NO: U102.112x

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	0930		51.61								
Purge	5	0935		51.80		19.8	7.32	859	4.44	1.38	115.5	Clear
	10	0940		51.80		19.7	7.32	857	2.05	1.50	117.9	
	15	0945		51.80		19.6	7.23	858	1.97	1.54	117.0	
*****	20	0950		51.83		19.6	7.24	857	1.96	1.50	116.5	
	25	0955	2.56	51.83		19.5	7.24	857	1.94	1.51	116.6	
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 46
 Sampled @ 0955 on 8/6/24

ABBREVIATIONS

Cond - Actual Conductivity
 FT BTOC - Feet Below Top of Casing na - Not Applicable
 nm - Not Measured
 ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units
 Temp - Temperature
 °C - Degrees Celsius



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira
Project Number: 0054 Task #: 100 Start Date: 8/6/2024 Time: 11:00
Field Personnel: Lorne F. Finish Date: 8/6/2024 Time: 11:20

WELL INFORMATION

Well ID: 47 2 Inches
Casing ID: 2

EVENT TYPE

Well Development
Well Volume Approach Sampling

Low-Flow / Low Stress Sampling Other
(Specify): Low Flow

YSI SERIAL NO: 2441225
Heron Serial NO: 0102112X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1100		55.90								
Purge	5	1105		55.90		18.5	7.14	910	3.46	1.13	143.6	
	10	1110		55.90		18.6	7.17	907	2.88	.33	143.7	
	15	1115		55.90		18.5	7.17	907	2.78	.27	143.5	
*****	20	1120	26 GAL	55.90		18.4	7.17	907	2.77	.44	143.5	
	25											
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 47

Sampled @ 1120 on 8/6/24

ABBREVIATIONS

Cons - Actual Conductivity
FT BTOC - Feet Below Top of Casing na -
Unit - Not Applicable
nm - Not Measured
Temp - Temperature
°C - Degrees Celsius

ORP - Oxidation-Reduction Potential SEC -
Specific Electrical Conductance SU - Standard
Unit - Standard Unit
Temp - Temperature
°C - Degrees Celsius

845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vistra
Project Number: 2024.0054 Task #: Start Date: 7/18/2024 Time: 0830
Field Personnel: Lorne Finish Date: Dave Time:

WELL INFORMATION

Well ID: 484R
Casing ID: 24
Inches
NoBladder

Well Development
Well Volume Approach Sampling

EVENT TYPE

Low-Flow / Low Stress Sampling
Other (Specify) Low Flow

YSI SERIAL NO
245100 326

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 10%	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	0835		40.53		18.6	7.70	909	.50	209.7	127.5	cloudy
purge	5	0845		40.53		18.6	7.70	909	.20	55.29	121.7	↓
	10	0850		40.53		18.5	7.69	909	.19	27.14	115.2	clear
	15	0855		40.53		18.6	7.69	910	.19	13.19	110.3	↓
*	20	0900		40.53		18.6	7.69	910	.18	8.56	109.1	↓
	25	0905	2.621	40.53								
	30	0910										
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID, date, & time:

ID 484R 7-18-24 @ 0905

ABBREVIATIONS

Cond - Actual Conductivity
FT BOC - Feet Below Top of Casing
N/A - Not Applicable
mm - Not Measured
ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units
°C - Degrees Celsius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION Site: <u>Hennepin</u> Project Number: <u>Task #:</u> Client: <u>Vistra</u> Start Date: <u>08/06/2024</u> Time: <u>1345</u> Field Personnel: <u>G. Arraling</u> Finish Date: <u>08/06/2024</u> Time: <u>1445</u>	
WELL INFORMATION Well ID: <u>Hen-49</u> Casing ID: <u>2</u> Inches	
EVENT TYPE Well Development Well Volume Approach Sampling Low-Flow / Low Stress Sampling Other (Specify): <u>Low Flow</u> YSI SERIAL NO: <u>412318X</u> Heron Serial NO: <u>416738X</u>	

WATER QUALITY INDICATOR PARAMETERS (continued)												
Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1350	—	22.71	—	—	—	—	—	—	—	—
Purge	5	1355	0.5	22.42	—	14.7	7.04	0.940	0.67	12.35	54.6	Clear
	10	1400	0.5	21.74	—	15.0	7.03	0.938	0.45	9.58	60.3	" "
	15	1405	1	21.71	—	15.0	7.02	0.937	0.35	2.97	62.3	" "
*****	20	1410	1.5	21.72	—	15.0	7.02	0.939	0.20	2.97	66.4	" "
↓	25	1415	2.5	21.69	—	15.0	7.03	0.939	0.18	3.30	59.7	" "
Final	30	1435	—	21.71	—	—	—	—	—	—	—	—
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)												
ABBREVIATIONS												
Cond - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Not Applicable nm - Not Measured °C - Degrees Celsius												
845 QUARTERLY REPORT - HENNEPIN POWER PLANT, WEST AS												

Sample ID: Hen-49 -49, -49ms, -49msd
Sampled @ 1420 on 8/6/2024

1420
 MSMSD



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vistra
 Project Number: 6054 Task #: 15-10
 Start Date: 8/6/2024
 Field Personnel: Lorne F. Finish Date: 8/6/2024 Time: 1535

WELL INFORMATION

Well ID: 50-2 Casing ID: 20
 Well Development: Well Volume Approach Sampling
 Low-Flow / Low Stress Sampling Other (Specify): Low Flow
 YSI SERIAL NO: 24419215
 Heron Serial NO: 0102-112-X

EVENT TYPE

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1510		18.37				1.168	1.70	2.69	130.7	Clear
Purge	5	1515		18.37		16.6	7.30	1.176	1.13	1.32	135.4	
	10	1520		18.37		16.4	7.36	1.178	1.13	1.42	136.4	
	15	1525		18.37		16.3	7.36	1.176	1.09	1.37	136.5	
*****	20	1530		18.37		16.3	7.37	1.175	1.00	1.35	136.6	
	25	1535		18.37		16.4	7.37					
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 50
 Sampled @ 1535 on 8/6/24

ABBREVIATIONS

Cond - Actual Conductivity	ORP - Oxidation-Reduction Potential
FT BTOC - Feet Below Top of Casing	Specific Electrical Conductance SU - Standard Units
Not Applicable	Temp - Temperature
nm - Not Measured	°C - Degrees Celsius

845 QUARTERLY REPORT - QUARTER 3, 2024
 HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
 HEN-845-804



WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vistra
Project Number: 2024.0054 Task #: Start Date: 7/18/2024 Time: 1006
Field Personnel: C. Aisollon Finish Date: 07/18/24 Time:

WELL INFORMATION

Well ID: HEN-51 inches
Casing ID: Well Development
Well Volume Approach Sampling

EVENT TYPE

Low-Flow / Low Stress Sampling
Other (Specify): Low Flow

YSI SERIAL NO
4122318X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 10%	pH (SU) +/- 0.01	SEC or Cond. (µS/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) +/- 10%	ORP (mV) +/- 10%	Visual Clarity/Odor
pre	0	1001	—	17.88	—	—	—	—	—	—	—	—
purge	5	1005	0.5	17.92	—	13.4	7.33	0.948	1.12	22.37	-105.3	Clear
↓	10	1010	1	18.05	—	13.8	7.37	0.955	0.50	21.52	-123.3	↓
↓	15	1015	1.5	18.18	—	13.3	7.38	0.956	0.36	19.85	-128.4	↓
↓	20	1020	2		—	13.7	7.38	0.956	0.32	20.04	-129.1	↓
Final	25	10										
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID, date, & time:

Well ID: HEN-51
Sampled @ 1025 on 07/18/24

ABBREVIATIONS

Cond - Actual Conductivity
Temp - Below Top of Casing
na - Not Applicable
nm - Not Measured

ORP - Oxidation-Reduction Potential
SEC - Specific Electrical Conductance
SU - Standard Units
°C - Degrees Celsius

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira
 Project Number: 0054 Task #: 1145 Start Date: 8/6/2024 Time: 1145
 Field Personnel: Lorne F. Finish Date: Same Time: 1205

WELL INFORMATION

Well ID: 52 Casing ID: 2 (Inches)

EVENT TYPE

Well Development
 Well Volume Approach Sampling

Low-Flow / Low Stress Sampling Other
 (Specify): Low Flow

YSI SERIAL NO: 24101225
 YSI Serial NO: U102-112X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1145		54.01								
Purge	5	1150		54.01		19.7	7.13	924	3.16	3.54	123.7	Clear
	10	1155		54.01		19.9	7.05	932	1.15	1.39	127.0	
	15	1200		54.05		20.0	7.04	932	1.00	1.29	127.2	
*****	20	1205	2.6A1	54.05		20.0	7.04	932	0.98	1.20	126.9	
	25	1210										
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 52

Sampled @ 1205 on 8/6/24

ABBREVIATIONS

Cond - Actual Conductivity
 F10C - Feet Below Top of Casing na -
 Not Applicable
 Temp - Temperature
 °C - Degrees Celsius

ORP - Oxidation-Reduction Potential SEC -
 Specific Electrical Conductance SU - Standard
 Units

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visita
 Project Number: 0054 Task #: 8 Start Date: 8/6/2024 Time: 1015
 Field Personnel: Corne, F. Finish Date: Same Time: 1040

WELL INFORMATION

Well ID: 54 2 (Inches)
 Casing ID: 2102112-X
 Well Development: Well Volume Approach Sampling
 Low-Flow / Low Stress Sampling Other (Specify): Low Flow
 YSI SERIAL NO: 244101225
 Heron Serial NO: 2102112-X

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Minutes Elapsed	Time (military)	Volume Removed (gallons)	Depth to Water (Feet)	Drawdown (Feet)	Temp. (°C) +/- 0.1	pH (SU) +/- 0.1	SEC or Cond. (µs/cm) 3%	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	1015		53.59								
Purge	5	1020		53.60		17.1	7.40	.870	5.30	1.11	119.4	Clear
	10	1025		53.62		18.7	7.28	.871	3.33	.51	124.7	
	15	1030		53.64		19.0	7.28	.874	3.18	.47	124.6	
*****	20	1035		53.66		19.0	7.29	.874	3.16	.61	124.8	
	25	1040	2.56	53.68		19.0	7.29	.874	3.07	.81	124.9	
	30											
	35											
	40											
	45											
	50											
	55											
	60											

NOTES (continued)

Sample ID: 54
 Sampled @ 1040 on 8/6/24

ABBREVIATIONS

Cond - Actual Conductivity
 FT BTOC - Feet Below Top of Casing na - Not Applicable
 Temp - Temperature
 nm - Not Measured
 ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units
 °C - Degrees Celsius

Dupe @ 1045



SAR-3: Episodic Depth to Groundwater Measurements

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Plant: HEN
Event: HEN-24Q3 Rev 0

Well	Unique ID	Date	Time	Measured		Dedicated Pump?	Dedicated Tubing?	als
				DTW	Comments			Initials
02 L	HEN_02							
04R L	HEN_04R							
05R L	HEN_05!R							
05DR L	HEN_05&DR							
06	HEN_06	7/15/24	1210	22.72	33.19:DTP	Y	Y	AB
10 L	HEN_10							
11 L	HEN_11							
15 L	HEN_15							
19SR L	HEN_19#SR							
19D L	HEN_19&D							
25	HEN_25	7/15/24	0918	15.80	DTP: 18.15	Y	Y	AB
26	HEN_26	7/15/24	0920	15.94	DTP: 27.4	Y	Y	AB
30	HEN_30	7/15/24	0928	4.5	DTP: 21.3	Y	Y	AB
31	HEN_31	7/15/24	0930	6.43	DTP: 10.25	Y	Y	AB
33	HEN_33	7/15/24	1100	3.72	DTP: 38.21	Y	Y	AB
36	HEN_36	7/15/24	0905	15.3	DTB: 28.8	N	N	AB
40S L	HEN_40#S							
45S	HEN_45#S	7/15/24	1215	11.36	DTP: 38.53	Y	Y	AB
48R L	HEN_48R							
XPW01	HEN_XPW01_pore	7/15/24	1203	11.12	DTB: 19.77	N	N	AB
XPW02	HEN_XPW02_pore	7/15/24	1200	15.33	DTB: 21.75	N	N	AB
XPW03	HEN_XPW03_pore	7/15/24	1130	6.41	DTB: 22.01	N	N	AB
* SG02	HEN_YSG_ILRIVER	see	SAR 4	SG03				

has transducer

U: 05/02/24 JRK

SAR-3: Episodic Depth to Groundwater Measurements

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Plant: HEN
Event: HEN-24Q3 Rev 0

Well	Unique ID	Date	Time	Measured		Dedicated Pump?	Dedicated Tubing?	als
				DTW	Comments			Initials
02	HEN_02	7-15-24	1055	45.02		Y	Y	LF
04R	HEN_04R	7-15-24	1155	45.37		Y	Y	LF
05R	HEN_05!R	7-15-24	1240	41.27		Y	Y	LF
05DR	HEN_05&DR	7-15-24	1250	41.23		Y	Y	LF
06	HEN_06							
10	HEN_10	7-15-24	0930	50.78		Y	Y	LF
11	HEN_11	7-15-24	0925	51.03		NO	NO	LF
15	HEN_15	7-15-24	1130	49.65		YES	YES	LF
19SR	HEN_19#SR	7-15-24	1210	37.59		NO	NO	LF
19D	HEN_19&D	7-15-24	1200	40.11		YES	YES	LF
25	HEN_25							
26	HEN_26							
30	HEN_30							
31	HEN_31							
33	HEN_33							
36	HEN_36							
40S	HEN_40#S	7-15-24	1225	40.55		Y	Y	LF
45S	HEN_45#S							
48R	HEN_48R	7-15-24	1230	40.80		N	N	LF
XPW01	HEN_XPW01_pore							
XPW02	HEN_XPW02_pore							
XPW03	HEN_XPW03_pore							
SG02	HEN_YSG_ILRIVER							

53 Hen 53 7-15-24 0955 55.62 U: 05/02/24 JRK NO NO LF

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads

All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Plant: HEN

Event: HEN-24Q3 Rev 0

Well	Unique ID	Date	Time	Measured DTW	On-site Transducer Data					Comments	Dedicated Pump?	Dedicated Tubing?	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				21615140								
07	HEN_07	7-15-24	1425	67.77	21615139	Yes	450.638	Y	H	DTP 7227	Y	Y	LF
08	HEN_08	7-15-24	1025	53.25	21615138	Yes	447.680	Y	H	DTP 5705	Y	Y	LF
08D	HEN_08&D	7-15-24	1013	54.24	21921673	Yes	447.188	Y	H	DTP 5424	Y	Y	LF DTP 8428
12	HEN_12				21615520								
13	HEN_13				21615515								
16	HEN_16	7-15-24	1105	54.42	21615534	Yes	447.130	Y	H	DTP 6078	Y	Y	LF
17	HEN_17	7-15-24	1125	56.41	21615500	Yes	450.810	Y	H	DTP 61.98	Y	Y	LF
18S	HEN_18#S	7-15-24	1310	40.60	21615482	Yes	447.103	Y	H	DTP 42.99	Y	Y	LF
18D	HEN_18&D	7-15-24	1300	40.77	21615609	Yes	446.480	Y	H	DTP 7229	Y	Y	LF
21R	HEN_21R				21615613								
22	HEN_22				21615497								
22D	HEN_22&D				21564134								
23	HEN_23				21615600								
27	HEN_27				21615576								
32	HEN_32				21615487								
34	HEN_34				21615509								
35	HEN_35				21615510								
46	HEN_46				21615491								
47	HEN_47				21615505								
49	HEN_49				21629307								
50	HEN_50				21615489								
51	HEN_51				21615608								
52	HEN_52	7-15-24	0940	60.98	21615145	Yes	447.195	Y	H	DTP 6098	Y	Y	LF 60.98
54	HEN_54				21615143								
55	HEN_55				21615612								
XSG01	HEN_XSG01				21768087								
SG03	HEN_YSG03				21768088								

Notes:

Batt = battery
bmp = below measuring point
ft = feet
H = high
L = low
M = medium
R = replaced

U: 05/02/24 JRK

R601-Hen

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.
Plant: HEN
Event: HEN-24Q3 Rev 0

Well	Unique ID	Date	Time	Measured DTW	On-site Transducer Data					Comments	Dedicated Pump?	Dedicated Tubing?	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	7/15/24	1305	35.04	21615140	Y	447.19	Y	H	DTP: 77.08	Y	Y	AB
07	HEN_07				21615139								
08	HEN_08				21615138								
08D	HEN_08&D				21921673								
12	HEN_12	7/15/24	1135	51.41	21615520	Y	447.29	Y	H	DTP: 52.32	Y	Y	AB
13	HEN_13	7/15/24	1140	51.34	21615515	Y	444.07	Y	H	DTP: 62.02	Y	Y	AB
16	HEN_16				21615534								
17	HEN_17				21615500								
18S	HEN_18#S				21615482								
18D	HEN_18&D				21615609								
21R	HEN_21R	7/15/24	1010	5.81	21615613	Y	446.52	Y	H	DTP: 45.63	Y	Y	AB
22	HEN_22	7/15/24	1040	18.39	21615497	Y	446.34	Y	H	DTP: 27.4	Y	Y	AB
22D	HEN_22&D	7/15/24	1045	19.11	21564134	Y	446.53	Y	H	DTP: 53.12	Y	Y	AB
23	HEN_23	7/15/24	1025	14.82	21615600	Y	446.77	Y	H	DTP: 35.2	Y	Y	AB
27	HEN_27	7/15/24	0935	4.12	21615576	Y	446.66	Y	M	DTP: 30.41	Y	Y	AB
32	HEN_32	7/15/24	0945	5.01	21615487	Y	446.69	Y	H	DTP: 13.34	Y	Y	AB
34	HEN_34	7/15/24	1000	6.67	21615509	NO TRANSDUCER				DTP: 30.21	Y	Y	AB
35	HEN_35	7/15/24	0910	8.25	21615510	Y	446.43	Y	H	DTP: 14.09	Y	Y	AB
46	HEN_46	7/15/24	1125	51.62	21615491	Y	446.83	Y	H	DTP: 55.00	Y	Y	AB
47	HEN_47	7/15/24	1150	55.87	21615505	Y	447.10	Y	H	DTP: 58.76	Y	Y	AB
49	HEN_49	7/15/24	1030	21.5	21629307	Y	446.89	Y	H	DTP: 38.63	Y	Y	AB
50	HEN_50	7/15/24	0845	18.11	21615489	Y	446.07	Y	H	DTP: 25.2	Y	Y	AB
51	HEN_51	7/15/24	1020	18.29	21615608	Y	446.57	Y	H	DTP: 58.45	Y	Y	AB
52	HEN_52				21615145								
54	HEN_54	7/15/24	1147	53.32	21615143	Y	447.14	Y	H	DTP: 69.14	Y	Y	AB
55	HEN_55	7/15/24	1045	50.91	21615612	Y	447.90	Y	H	DTP: 94.06	Y	Y	AB
XSG01	HEN_XSG01	7/15/24	1120	10.14	21768087	Y	483.47	Y	H	—	N	N	AB
SG03	HEN_YSG03	7/15/24	1230	5.25	21768088	Y	8.835	Y	M	—	N	N	AB

Notes:
Batt = battery
bmp = below measuring point
ft = feet
H = high
L = low
M = medium
R = replaced

U: 05/02/24 JRK

RG01 HEN-RG01
(record serial No.)

7/15/24 data downloaded @ 1300

Serial no:

-52492 or 21628684

ANALYTICAL REPORT

PREPARED FOR

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

Generated 09/06/24 15:03:05

JOB DESCRIPTION

HEN-24Q3
HEN_000_RAD

JOB NUMBER

500-253560-2

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



Generated
09/06/24 15:03:05

Authorized for release by
Dirk Nelson, Project Management Assistant II
Dirk.Nelson@et.eurofinsus.com
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Client: Vistra Energy Corp
Project: HEN-24Q3

Job ID: 500-253560-2

Job ID: 500-253560-2

Eurofins Chicago

Job Narrative
500-253560-2

Receipt

The samples were received on 07/16/24 13:05. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 18 coolers at receipt time were -0.2° C, 0.8° C, 0.9° C, 0.9° C, 1.6° C, 1.7° C, 3.1° C, 4.0° C, 4.2° C, 5.7° C, 5.7° C, 5.7° C, 5.9° C, 9.1° C, 11.3° C, 11.8° C, 11.8° C and 12.7° C.

Receipt Exceptions

Received bottles for samples 28 & 32 marked out on the COC, logged them in. HEN_27 (500-253560-28) and HEN_35_FD (500-253560-32)

The following samples from the July sampling event were received at the laboratory outside the required temperature criteria: HEN_17 (500-253560-24), HEN_21R (500-253560-25), HEN_21R_MS (500-253560-25[MS]), HEN_21R_MSD (500-253560-25[MSD]), HEN_22 (500-253560-26), HEN_22&D (500-253560-27), HEN_27 (500-253560-28), HEN_32 (500-253560-29), HEN_34 (500-253560-30), HEN_35 (500-253560-31), HEN_35_FD (500-253560-32), HEN_46 (500-253560-33), HEN_47 (500-253560-34), HEN_49 (500-253560-35), HEN_49_MS (500-253560-35[MS]), HEN_49_MSD (500-253560-35[MSD]), HEN_50 (500-253560-36), HEN_52 (500-253560-37), HEN_54 (500-253560-38) and HEN_54_FD (500-253560-39). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to cancel analysis, pending resampling.

Affected samples were recollected on 08/06/24 and added to the existing login to report together.

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): HEN_FB (500-253560-40) Sample date added to COC to match date of collection of other samples turned in on the COC, default sample time of 00:00 recorded.

RAD

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

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_07	Lab Sample ID: 500-253560-1
☐ No Detections.	
Client Sample ID: HEN_12	Lab Sample ID: 500-253560-2
☐ No Detections.	
Client Sample ID: HEN_13	Lab Sample ID: 500-253560-3
☐ No Detections.	
Client Sample ID: HEN_03R	Lab Sample ID: 500-253560-5
☐ No Detections.	
Client Sample ID: HEN_03R_FD	Lab Sample ID: 500-253560-6
☐ No Detections.	
Client Sample ID: HEN_08	Lab Sample ID: 500-253560-9
☐ No Detections.	
Client Sample ID: HEN_08&D	Lab Sample ID: 500-253560-10
☐ No Detections.	
Client Sample ID: HEN_16	Lab Sample ID: 500-253560-12
☐ No Detections.	
Client Sample ID: HEN_16_FD	Lab Sample ID: 500-253560-13
☐ No Detections.	
Client Sample ID: HEN_18&D	Lab Sample ID: 500-253560-14
☐ No Detections.	
Client Sample ID: HEN_18#S	Lab Sample ID: 500-253560-15
☐ No Detections.	
Client Sample ID: HEN_45#S	Lab Sample ID: 500-253560-17
☐ No Detections.	
Client Sample ID: HEN_23	Lab Sample ID: 500-253560-19
☐ No Detections.	
Client Sample ID: HEN_51	Lab Sample ID: 500-253560-21
☐ No Detections.	
Client Sample ID: FB	Lab Sample ID: 500-253560-22
☐ No Detections.	
Client Sample ID: HEN_17	Lab Sample ID: 500-253560-24
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_21R	Lab Sample ID: 500-253560-25
☐ No Detections.	
Client Sample ID: HEN_22	Lab Sample ID: 500-253560-26
☐ No Detections.	
Client Sample ID: HEN_22&D	Lab Sample ID: 500-253560-27
☐ No Detections.	
Client Sample ID: HEN_27	Lab Sample ID: 500-253560-28
☐ No Detections.	
Client Sample ID: HEN_32	Lab Sample ID: 500-253560-29
☐ No Detections.	
Client Sample ID: HEN_34	Lab Sample ID: 500-253560-30
☐ No Detections.	
Client Sample ID: HEN_35	Lab Sample ID: 500-253560-31
☐ No Detections.	
Client Sample ID: HEN_35_FD	Lab Sample ID: 500-253560-32
☐ No Detections.	
Client Sample ID: HEN_46	Lab Sample ID: 500-253560-33
☐ No Detections.	
Client Sample ID: HEN_47	Lab Sample ID: 500-253560-34
☐ No Detections.	
Client Sample ID: HEN_49	Lab Sample ID: 500-253560-35
☐ No Detections.	
Client Sample ID: HEN_50	Lab Sample ID: 500-253560-36
☐ No Detections.	
Client Sample ID: HEN_52	Lab Sample ID: 500-253560-37
☐ No Detections.	
Client Sample ID: HEN_54	Lab Sample ID: 500-253560-38
☐ No Detections.	
Client Sample ID: HEN_54_FD	Lab Sample ID: 500-253560-39
☐ No Detections.	
Client Sample ID: HEN_FB	Lab Sample ID: 500-253560-40
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 590-253560-2
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-253560-1	HEN_07	Water	07/15/24 15:20	07/16/24 13:05
500-253560-2	HEN_12	Water	07/15/24 15:45	07/16/24 13:05
500-253560-3	HEN_13	Water	07/15/24 16:35	07/16/24 13:05
500-253560-5	HEN_03R	Water	07/16/24 09:53	07/17/24 09:40
500-253560-6	HEN_03R_FD	Water	07/16/24 09:53	07/17/24 09:40
500-253560-9	HEN_08	Water	07/16/24 14:00	07/17/24 09:40
500-253560-10	HEN_08&D	Water	07/16/24 15:46	07/17/24 09:40
500-253560-12	HEN_16	Water	07/16/24 15:30	07/17/24 09:40
500-253560-13	HEN_16_FD	Water	07/16/24 15:40	07/17/24 09:40
500-253560-14	HEN_18&D	Water	07/16/24 13:17	07/17/24 09:40
500-253560-15	HEN_18#S	Water	07/16/24 12:06	07/17/24 09:40
500-253560-17	HEN_45#S	Water	07/16/24 08:42	07/17/24 09:40
500-253560-19	HEN_23	Water	07/18/24 09:45	07/18/24 13:00
500-253560-21	HEN_51	Water	07/18/24 10:25	07/18/24 13:00
500-253560-22	FB	Water	07/18/24 08:00	07/18/24 13:00
500-253560-24	HEN_17	Water	08/06/24 09:10	08/07/24 09:05
500-253560-25	HEN_21R	Water	08/06/24 13:15	08/07/24 09:05
500-253560-26	HEN_22	Water	08/06/24 15:50	08/07/24 09:05
500-253560-27	HEN_22&D	Water	08/06/24 15:15	08/07/24 09:05
500-253560-28	HEN_27	Water	08/06/24 10:45	08/07/24 09:05
500-253560-29	HEN_32	Water	08/06/24 10:00	08/07/24 09:05
500-253560-30	HEN_34	Water	08/06/24 09:10	08/07/24 09:05
500-253560-31	HEN_35	Water	08/06/24 11:35	08/07/24 09:05
500-253560-32	HEN_35_FD	Water	08/06/24 11:35	08/07/24 09:05
500-253560-33	HEN_46	Water	08/06/24 09:55	08/07/24 09:05
500-253560-34	HEN_47	Water	08/06/24 11:20	08/07/24 09:05
500-253560-35	HEN_49	Water	08/06/24 14:20	08/07/24 09:05
500-253560-36	HEN_50	Water	08/06/24 15:35	08/07/24 09:05
500-253560-37	HEN_52	Water	08/06/24 12:05	08/07/24 09:05
500-253560-38	HEN_54	Water	08/06/24 10:40	08/07/24 09:05
500-253560-39	HEN_54_FD	Water	08/06/24 10:45	08/07/24 09:05
500-253560-40	HEN_FB	Water	08/06/24 00:00	08/07/24 09:05

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_07

Date Collected: 07/15/24 15:20

Date Received: 07/16/24 13:05

Lab Sample ID: 500-253560-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.280		0.100	0.103	1.00	0.0958	pCi/L	07/18/24 08:48	08/09/24 14:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					07/18/24 08:48	08/09/24 14:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.156	U	0.367	0.367	1.00	0.643	pCi/L	07/18/24 08:52	07/30/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					07/18/24 08:52	07/30/24 12:36	1
Y Carrier	78.9		30 - 110					07/18/24 08:52	07/30/24 12:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.436	U	0.380	0.381	5.00	0.643	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_12

Lab Sample ID: 500-253560-2

Date Collected: 07/15/24 15:45

Matrix: Water

Date Received: 07/16/24 13:05

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	0.0849	U	0.0680	0.0684	1.00	0.0982	pCi/L	07/18/24 08:48	08/09/24 14:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					07/18/24 08:48	08/09/24 14:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.556		0.362	0.365	1.00	0.529	pCi/L	07/18/24 08:52	07/30/24 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					07/18/24 08:52	07/30/24 12:32	1
Y Carrier	80.7		30 - 110					07/18/24 08:52	07/30/24 12:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.641		0.368	0.371	5.00	0.529	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_13

Lab Sample ID: 500-253560-3

Date Collected: 07/15/24 16:35

Matrix: Water

Date Received: 07/16/24 13:05

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		0.0700	0.0706	1.00	0.0923	pCi/L	07/18/24 08:48	08/09/24 14:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110					07/18/24 08:48	08/09/24 14:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0465	U	0.308	0.308	1.00	0.565	pCi/L	07/18/24 08:52	07/30/24 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110					07/18/24 08:52	07/30/24 12:32	1
Y Carrier	83.4		30 - 110					07/18/24 08:52	07/30/24 12:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.153	U	0.316	0.316	5.00	0.565	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R

Lab Sample ID: 500-253560-5

Date Collected: 07/16/24 09:53

Matrix: Water

Date Received: 07/17/24 09:40

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	0.0912		0.0608	0.0614	1.00	0.0763	pCi/L	07/19/24 07:30	08/12/24 23:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					07/19/24 07:30	08/12/24 23:59	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	0.0642	U	0.296	0.296	1.00	0.538	pCi/L	07/19/24 07:33	07/31/24 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					07/19/24 07:33	07/31/24 12:21	1
Y Carrier	83.4		30 - 110					07/19/24 07:33	07/31/24 12:21	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	0.155	U	0.302	0.302	5.00	0.538	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R_FD

Lab Sample ID: 500-253560-6

Date Collected: 07/16/24 09:53

Matrix: Water

Date Received: 07/17/24 09:40

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	-0.000698	U	0.0415	0.0415	1.00	0.0895	pCi/L	07/19/24 07:30	08/12/24 23:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					07/19/24 07:30	08/12/24 23:59	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	-0.105	U	0.293	0.293	1.00	0.573	pCi/L	07/19/24 07:33	07/31/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					07/19/24 07:33	07/31/24 12:22	1
Y Carrier	85.2		30 - 110					07/19/24 07:33	07/31/24 12:22	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	0.000	U	0.296	0.296	5.00	0.573	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_08

Lab Sample ID: 500-253560-9

Date Collected: 07/16/24 14:00

Matrix: Water

Date Received: 07/17/24 09:40

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	0.0845	U	0.0648	0.0652	1.00	0.0917	pCi/L	07/19/24 07:30	08/15/24 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					07/19/24 07:30	08/15/24 09:59	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	0.512	U	0.383	0.386	1.00	0.590	pCi/L	07/19/24 07:33	07/31/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					07/19/24 07:33	07/31/24 12:08	1
Y Carrier	85.2		30 - 110					07/19/24 07:33	07/31/24 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	0.596		0.388	0.391	5.00	0.590	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_08&D

Lab Sample ID: 500-253560-10

Date Collected: 07/16/24 15:46

Matrix: Water

Date Received: 07/17/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112		0.0721	0.0728	1.00	0.0953	pCi/L	07/19/24 07:30	08/13/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					07/19/24 07:30	08/13/24 07:38	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	0.306	U	0.340	0.341	1.00	0.555	pCi/L	07/19/24 07:33	07/31/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					07/19/24 07:33	07/31/24 12:08	1
Y Carrier	84.1		30 - 110					07/19/24 07:33	07/31/24 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	0.418	U	0.348	0.349	5.00	0.555	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_16

Date Collected: 07/16/24 15:30

Date Received: 07/17/24 09:40

Lab Sample ID: 500-253560-12

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.117		0.0746	0.0753	1.00	0.0973	pCi/L	07/19/24 07:30	08/13/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					07/19/24 07:30	08/13/24 07:38	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	-0.137	U	0.315	0.316	1.00	0.623	pCi/L	07/19/24 07:33	07/31/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					07/19/24 07:33	07/31/24 12:06	1
Y Carrier	84.9		30 - 110					07/19/24 07:33	07/31/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.117	U	0.324	0.325	5.00	0.623	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_16_FD

Lab Sample ID: 500-253560-13

Date Collected: 07/16/24 15:40

Matrix: Water

Date Received: 07/17/24 09:40

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	0.0891	U	0.0801	0.0805	1.00	0.123	pCi/L	07/19/24 07:30	08/13/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		30 - 110					07/19/24 07:30	08/13/24 07:38	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	0.206	U	0.315	0.316	1.00	0.535	pCi/L	07/19/24 07:33	07/31/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		30 - 110					07/19/24 07:33	07/31/24 12:06	1
Y Carrier	84.9		30 - 110					07/19/24 07:33	07/31/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.295	U	0.325	0.326	5.00	0.535	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_18&D

Lab Sample ID: 500-253560-14

Date Collected: 07/16/24 13:17

Matrix: Water

Date Received: 07/17/24 09:40

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	0.215		0.0907	0.0928	1.00	0.0959	pCi/L	07/19/24 07:30	08/13/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/19/24 07:30	08/13/24 07:38	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	0.241	U	0.324	0.325	1.00	0.542	pCi/L	07/19/24 07:33	07/31/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/19/24 07:33	07/31/24 12:06	1
Y Carrier	84.5		30 - 110					07/19/24 07:33	07/31/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.457	U	0.336	0.338	5.00	0.542	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_18#S

Lab Sample ID: 500-253560-15

Date Collected: 07/16/24 12:06

Matrix: Water

Date Received: 07/17/24 09:40

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	0.0654	U	0.0654	0.0657	1.00	0.102	pCi/L	07/19/24 07:30	08/13/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.9		30 - 110					07/19/24 07:30	08/13/24 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.193	U	0.320	0.321	1.00	0.550	pCi/L	07/19/24 07:33	07/31/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.9		30 - 110					07/19/24 07:33	07/31/24 12:07	1
Y Carrier	83.4		30 - 110					07/19/24 07:33	07/31/24 12:07	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	0.258	U	0.327	0.328	5.00	0.550	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_45#S

Lab Sample ID: 500-253560-17

Date Collected: 07/16/24 08:42

Matrix: Water

Date Received: 07/17/24 09:40

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	0.155		0.0792	0.0804	1.00	0.0918	pCi/L	07/19/24 07:30	08/13/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/19/24 07:30	08/13/24 07:38	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	0.220	U	0.316	0.317	1.00	0.533	pCi/L	07/19/24 07:33	07/31/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/19/24 07:33	07/31/24 12:07	1
Y Carrier	86.7		30 - 110					07/19/24 07:33	07/31/24 12:07	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	0.375	U	0.326	0.327	5.00	0.533	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_23

Lab Sample ID: 500-253560-19

Date Collected: 07/18/24 09:45

Matrix: Water

Date Received: 07/18/24 13:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0446	U	0.0540	0.0542	1.00	0.0884	pCi/L	07/23/24 08:14	08/14/24 15:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110					07/23/24 08:14	08/14/24 15:09	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	0.321	U	0.281	0.283	1.00	0.440	pCi/L	07/23/24 08:19	08/02/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110					07/23/24 08:19	08/02/24 11:35	1
Y Carrier	86.4		30 - 110					07/23/24 08:19	08/02/24 11:35	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	0.366	U	0.286	0.288	5.00	0.440	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_51

Lab Sample ID: 500-253560-21

Date Collected: 07/18/24 10:25

Matrix: Water

Date Received: 07/18/24 13:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.614		0.134	0.145	1.00	0.0862	pCi/L	07/23/24 08:14	08/14/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					07/23/24 08:14	08/14/24 15:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.688		0.347	0.353	1.00	0.470	pCi/L	07/23/24 08:19	08/02/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					07/23/24 08:19	08/02/24 11:36	1
Y Carrier	82.2		30 - 110					07/23/24 08:19	08/02/24 11:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.30		0.372	0.382	5.00	0.470	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: FB

Lab Sample ID: 500-253560-22

Date Collected: 07/18/24 08:00

Matrix: Water

Date Received: 07/18/24 13:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0463	U	0.0534	0.0535	1.00	0.0860	pCi/L	07/23/24 08:14	08/14/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					07/23/24 08:14	08/14/24 15:10	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	-0.0205	U	0.262	0.262	1.00	0.498	pCi/L	07/23/24 08:19	08/02/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					07/23/24 08:19	08/02/24 11:36	1
Y Carrier	85.6		30 - 110					07/23/24 08:19	08/02/24 11:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0463	U	0.267	0.267	5.00	0.498	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_17

Lab Sample ID: 500-253560-24

Date Collected: 08/06/24 09:10

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0733	U	0.0635	0.0638	1.00	0.0951	pCi/L	08/09/24 07:54	09/03/24 20:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					08/09/24 07:54	09/03/24 20:20	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	0.671		0.395	0.400	1.00	0.578	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	84.1		30 - 110					08/09/24 07:58	08/21/24 12:24	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	0.745		0.400	0.405	5.00	0.578	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_21R

Lab Sample ID: 500-253560-25

Date Collected: 08/06/24 13:15

Matrix: Water

Date Received: 08/07/24 09:05

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	0.454		0.123	0.129	1.00	0.101	pCi/L	08/09/24 07:54	09/03/24 20:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/09/24 07:54	09/03/24 20:20	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	0.918		0.411	0.420	1.00	0.545	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	84.9		30 - 110					08/09/24 07:58	08/21/24 12:24	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	1.37		0.429	0.439	5.00	0.545	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_22

Lab Sample ID: 500-253560-26

Date Collected: 08/06/24 15:50

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0751	U	0.0574	0.0578	1.00	0.0793	pCi/L	08/09/24 07:54	09/03/24 20:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					08/09/24 07:54	09/03/24 20:21	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	0.0272	U	0.289	0.289	1.00	0.536	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	83.0		30 - 110					08/09/24 07:58	08/21/24 12:24	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.102	U	0.295	0.295	5.00	0.536	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_22&D

Lab Sample ID: 500-253560-27

Date Collected: 08/06/24 15:15

Matrix: Water

Date Received: 08/07/24 09:05

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	0.446		0.116	0.123	1.00	0.0846	pCi/L	08/09/24 07:54	09/03/24 20:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					08/09/24 07:54	09/03/24 20:21	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	0.933		0.382	0.391	1.00	0.488	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	85.6		30 - 110					08/09/24 07:58	08/21/24 12:24	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	1.38		0.399	0.410	5.00	0.488	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_27

Lab Sample ID: 500-253560-28

Date Collected: 08/06/24 10:45

Matrix: Water

Date Received: 08/07/24 09:05

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	0.159		0.0733	0.0746	1.00	0.0743	pCi/L	08/09/24 07:54	09/03/24 20:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/09/24 07:54	09/03/24 20:21	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	0.0941	U	0.328	0.328	1.00	0.585	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	83.7		30 - 110					08/09/24 07:58	08/21/24 12:24	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	0.253	U	0.336	0.336	5.00	0.585	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_32

Lab Sample ID: 500-253560-29

Date Collected: 08/06/24 10:00

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0566	U	0.0538	0.0541	1.00	0.0815	pCi/L	08/09/24 07:54	09/03/24 20:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					08/09/24 07:54	09/03/24 20:21	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	-0.0701	U	0.257	0.257	1.00	0.508	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	83.7		30 - 110					08/09/24 07:58	08/21/24 12:24	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	0.0566	U	0.263	0.263	5.00	0.508	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_34

Lab Sample ID: 500-253560-30

Date Collected: 08/06/24 09:10

Matrix: Water

Date Received: 08/07/24 09:05

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	0.213		0.0946	0.0965	1.00	0.110	pCi/L	08/09/24 07:54	09/03/24 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/09/24 07:54	09/03/24 20:24	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	-0.199	U	0.335	0.336	1.00	0.666	pCi/L	08/09/24 07:58	08/21/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/09/24 07:58	08/21/24 12:24	1
Y Carrier	86.7		30 - 110					08/09/24 07:58	08/21/24 12:24	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	0.213	U	0.348	0.350	5.00	0.666	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_35

Lab Sample ID: 500-253560-31

Date Collected: 08/06/24 11:35

Matrix: Water

Date Received: 08/07/24 09:05

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	0.115		0.0776	0.0783	1.00	0.108	pCi/L	08/09/24 07:54	09/03/24 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					08/09/24 07:54	09/03/24 20:24	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	0.404	U	0.327	0.329	1.00	0.509	pCi/L	08/09/24 07:58	08/21/24 12:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					08/09/24 07:58	08/21/24 12:25	1
Y Carrier	88.6		30 - 110					08/09/24 07:58	08/21/24 12:25	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	0.519		0.336	0.338	5.00	0.509	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_35_FD

Lab Sample ID: 500-253560-32

Date Collected: 08/06/24 11:35

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0672	U	0.0663	0.0666	1.00	0.104	pCi/L	08/09/24 07:54	09/03/24 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					08/09/24 07:54	09/03/24 20:24	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	0.0652	U	0.285	0.285	1.00	0.516	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	85.2		30 - 110					08/09/24 07:58	08/21/24 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	0.132	U	0.293	0.293	5.00	0.516	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_46

Lab Sample ID: 500-253560-33

Date Collected: 08/06/24 09:55

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0715	U	0.0715	0.0718	1.00	0.113	pCi/L	08/09/24 07:54	09/03/24 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/09/24 07:54	09/03/24 20:24	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	0.0400	U	0.264	0.264	1.00	0.487	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	88.2		30 - 110					08/09/24 07:58	08/21/24 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	0.111	U	0.274	0.274	5.00	0.487	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_47
Date Collected: 08/06/24 11:20
Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-34
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	0.130		0.0728	0.0737	1.00	0.0889	pCi/L	08/09/24 07:54	09/03/24 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					08/09/24 07:54	09/03/24 20:24	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	-0.0115	U	0.286	0.286	1.00	0.543	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	83.4		30 - 110					08/09/24 07:58	08/21/24 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	0.130	U	0.295	0.295	5.00	0.543	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_49

Lab Sample ID: 500-253560-35

Date Collected: 08/06/24 14:20

Matrix: Water

Date Received: 08/07/24 09:05

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	0.136		0.0750	0.0760	1.00	0.0936	pCi/L	08/09/24 08:06	09/03/24 20:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/09/24 08:06	09/03/24 20:26	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	0.305	U	0.322	0.323	1.00	0.520	pCi/L	08/09/24 08:14	08/20/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/09/24 08:14	08/20/24 12:13	1
Y Carrier	73.6		30 - 110					08/09/24 08:14	08/20/24 12:13	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	0.442	U	0.331	0.332	5.00	0.520	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_50

Lab Sample ID: 500-253560-36

Date Collected: 08/06/24 15:35

Matrix: Water

Date Received: 08/07/24 09:05

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	0.251		0.0946	0.0973	1.00	0.0918	pCi/L	08/09/24 07:54	09/03/24 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/09/24 07:54	09/03/24 20:25	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	0.309	U	0.361	0.363	1.00	0.595	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	84.5		30 - 110					08/09/24 07:58	08/21/24 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	0.560	U	0.373	0.376	5.00	0.595	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_52

Lab Sample ID: 500-253560-37

Date Collected: 08/06/24 12:05

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0740	U	0.0621	0.0624	1.00	0.0910	pCi/L	08/09/24 07:54	09/03/24 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					08/09/24 07:54	09/03/24 20:25	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	0.221	U	0.298	0.298	1.00	0.499	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	86.4		30 - 110					08/09/24 07:58	08/21/24 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	0.295	U	0.304	0.304	5.00	0.499	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_54

Lab Sample ID: 500-253560-38

Date Collected: 08/06/24 10:40

Matrix: Water

Date Received: 08/07/24 09:05

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		0.0745	0.0755	1.00	0.0890	pCi/L	08/09/24 07:54	09/03/24 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		30 - 110					08/09/24 07:54	09/03/24 20:25	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	-0.180	U	0.247	0.247	1.00	0.522	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	87.9		30 - 110					08/09/24 07:58	08/21/24 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	0.138	U	0.258	0.258	5.00	0.522	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_54_FD

Lab Sample ID: 500-253560-39

Date Collected: 08/06/24 10:45

Matrix: Water

Date Received: 08/07/24 09:05

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	0.129	U	0.0915	0.0923	1.00	0.133	pCi/L	08/09/24 07:54	09/03/24 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/09/24 07:54	09/03/24 20:25	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	0.363	U	0.357	0.359	1.00	0.574	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	89.0		30 - 110					08/09/24 07:58	08/21/24 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	0.491	U	0.369	0.371	5.00	0.574	pCi/L		09/06/24 12:16	1

Client Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_FB

Lab Sample ID: 500-253560-40

Date Collected: 08/06/24 00:00

Matrix: Water

Date Received: 08/07/24 09:05

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	0.0102	U	0.0400	0.0400	1.00	0.0802	pCi/L	08/09/24 07:54	09/03/24 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					08/09/24 07:54	09/03/24 20:25	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	0.00916	U	0.307	0.307	1.00	0.572	pCi/L	08/09/24 07:58	08/21/24 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					08/09/24 07:58	08/21/24 12:26	1
Y Carrier	84.1		30 - 110					08/09/24 07:58	08/21/24 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	0.0194	U	0.310	0.310	5.00	0.572	pCi/L		09/06/24 12:16	1

Definitions/Glossary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
JEN-184580-
SDG: HEN_000_RAD

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Rad

Prep Batch: 671237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-1	HEN_07	Total/NA	Water	PrecSep-21	
500-253560-2	HEN_12	Total/NA	Water	PrecSep-21	
500-253560-3	HEN_13	Total/NA	Water	PrecSep-21	
MB 160-671237/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-671237/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 671238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-1	HEN_07	Total/NA	Water	PrecSep_0	
500-253560-2	HEN_12	Total/NA	Water	PrecSep_0	
500-253560-3	HEN_13	Total/NA	Water	PrecSep_0	
MB 160-671238/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-671238/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 671460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-5	HEN_03R	Total/NA	Water	PrecSep-21	
500-253560-6	HEN_03R_FD	Total/NA	Water	PrecSep-21	
500-253560-9	HEN_08	Total/NA	Water	PrecSep-21	
500-253560-10	HEN_08&D	Total/NA	Water	PrecSep-21	
500-253560-12	HEN_16	Total/NA	Water	PrecSep-21	
500-253560-13	HEN_16_FD	Total/NA	Water	PrecSep-21	
500-253560-14	HEN_18&D	Total/NA	Water	PrecSep-21	
500-253560-15	HEN_18#S	Total/NA	Water	PrecSep-21	
500-253560-17	HEN_45#S	Total/NA	Water	PrecSep-21	
MB 160-671460/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-671460/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-253560-5 DU	HEN_03R	Total/NA	Water	PrecSep-21	

Prep Batch: 671461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-5	HEN_03R	Total/NA	Water	PrecSep_0	
500-253560-6	HEN_03R_FD	Total/NA	Water	PrecSep_0	
500-253560-9	HEN_08	Total/NA	Water	PrecSep_0	
500-253560-10	HEN_08&D	Total/NA	Water	PrecSep_0	
500-253560-12	HEN_16	Total/NA	Water	PrecSep_0	
500-253560-13	HEN_16_FD	Total/NA	Water	PrecSep_0	
500-253560-14	HEN_18&D	Total/NA	Water	PrecSep_0	
500-253560-15	HEN_18#S	Total/NA	Water	PrecSep_0	
500-253560-17	HEN_45#S	Total/NA	Water	PrecSep_0	
MB 160-671461/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-671461/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-253560-5 DU	HEN_03R	Total/NA	Water	PrecSep_0	

Prep Batch: 671938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	PrecSep-21	
500-253560-21	HEN_51	Total/NA	Water	PrecSep-21	
500-253560-22	FB	Total/NA	Water	PrecSep-21	
MB 160-671938/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-671938/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Rad

Prep Batch: 671939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-19	HEN_23	Total/NA	Water	PrecSep_0	
500-253560-21	HEN_51	Total/NA	Water	PrecSep_0	
500-253560-22	FB	Total/NA	Water	PrecSep_0	
MB 160-671939/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-671939/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 674439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-24	HEN_17	Total/NA	Water	PrecSep-21	
500-253560-25	HEN_21R	Total/NA	Water	PrecSep-21	
500-253560-26	HEN_22	Total/NA	Water	PrecSep-21	
500-253560-27	HEN_22&D	Total/NA	Water	PrecSep-21	
500-253560-28	HEN_27	Total/NA	Water	PrecSep-21	
500-253560-29	HEN_32	Total/NA	Water	PrecSep-21	
500-253560-30	HEN_34	Total/NA	Water	PrecSep-21	
500-253560-31	HEN_35	Total/NA	Water	PrecSep-21	
500-253560-32	HEN_35_FD	Total/NA	Water	PrecSep-21	
500-253560-33	HEN_46	Total/NA	Water	PrecSep-21	
500-253560-34	HEN_47	Total/NA	Water	PrecSep-21	
500-253560-36	HEN_50	Total/NA	Water	PrecSep-21	
500-253560-37	HEN_52	Total/NA	Water	PrecSep-21	
500-253560-38	HEN_54	Total/NA	Water	PrecSep-21	
500-253560-39	HEN_54_FD	Total/NA	Water	PrecSep-21	
500-253560-40	HEN_FB	Total/NA	Water	PrecSep-21	
MB 160-674439/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674439/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	PrecSep-21	
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	PrecSep-21	

Prep Batch: 674440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-24	HEN_17	Total/NA	Water	PrecSep_0	
500-253560-25	HEN_21R	Total/NA	Water	PrecSep_0	
500-253560-26	HEN_22	Total/NA	Water	PrecSep_0	
500-253560-27	HEN_22&D	Total/NA	Water	PrecSep_0	
500-253560-28	HEN_27	Total/NA	Water	PrecSep_0	
500-253560-29	HEN_32	Total/NA	Water	PrecSep_0	
500-253560-30	HEN_34	Total/NA	Water	PrecSep_0	
500-253560-31	HEN_35	Total/NA	Water	PrecSep_0	
500-253560-32	HEN_35_FD	Total/NA	Water	PrecSep_0	
500-253560-33	HEN_46	Total/NA	Water	PrecSep_0	
500-253560-34	HEN_47	Total/NA	Water	PrecSep_0	
500-253560-36	HEN_50	Total/NA	Water	PrecSep_0	
500-253560-37	HEN_52	Total/NA	Water	PrecSep_0	
500-253560-38	HEN_54	Total/NA	Water	PrecSep_0	
500-253560-39	HEN_54_FD	Total/NA	Water	PrecSep_0	
500-253560-40	HEN_FB	Total/NA	Water	PrecSep_0	
MB 160-674440/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674440/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-253560-25 MS	HEN_21R_MS	Total/NA	Water	PrecSep_0	
500-253560-25 MSD	HEN_21R_MSD	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Rad

Prep Batch: 674443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-35	HEN_49	Total/NA	Water	PrecSep-21	
MB 160-674443/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674443/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-253560-35 MS	HEN_49_MS	Total/NA	Water	PrecSep-21	
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	PrecSep-21	

Prep Batch: 674444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-253560-35	HEN_49	Total/NA	Water	PrecSep_0	
MB 160-674444/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674444/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-253560-35 MS	HEN_49_MS	Total/NA	Water	PrecSep_0	
500-253560-35 MSD	HEN_49_MSD	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
1845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
JEN-24-500-253560-2
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-671237/1-A
Matrix: Water
Analysis Batch: 674436

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671237

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03822	U	0.0568	0.0569	1.00	0.0976	pCi/L	07/18/24 08:48	08/09/24 14:18	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					07/18/24 08:48	08/09/24 14:18	1

Lab Sample ID: LCS 160-671237/2-A
Matrix: Water
Analysis Batch: 674436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671237

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.606		1.02	1.00	0.129	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.3		30 - 110							

Lab Sample ID: MB 160-671460/1-A
Matrix: Water
Analysis Batch: 674767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671460

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01208	U	0.0418	0.0419	1.00	0.0823	pCi/L	07/19/24 07:30	08/12/24 23:56	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					07/19/24 07:30	08/12/24 23:56	1

Lab Sample ID: LCS 160-671460/2-A
Matrix: Water
Analysis Batch: 674767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671460

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.127		0.959	1.00	0.0990	pCi/L	95	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	93.8		30 - 110							

Lab Sample ID: 500-253560-5 DU
Matrix: Water
Analysis Batch: 674767

Client Sample ID: HEN_03R
Prep Type: Total/NA
Prep Batch: 671460

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0912		0.1399		0.0752	1.00	0.0834	pCi/L	0.36	1

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QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
1845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-253560-5 DU
Matrix: Water
Analysis Batch: 674767

Client Sample ID: HEN_03R
Prep Type: Total/NA
Prep Batch: 671460

Carrier	%Yield	Qualifier	Limits
Ba Carrier	83.9		30 - 110

Lab Sample ID: MB 160-671938/1-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671938

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03235	U	0.0481	0.0482	1.00	0.0826	pCi/L	07/23/24 08:14	08/14/24 07:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					07/23/24 08:14	08/14/24 07:54	1

Lab Sample ID: LCS 160-671938/2-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671938

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	8.917		0.950	1.00	0.106	pCi/L	93	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	86.8		30 - 110						

Lab Sample ID: MB 160-674439/1-A
Matrix: Water
Analysis Batch: 677738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674439

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01013	U	0.0355	0.0355	1.00	0.0830	pCi/L	08/09/24 07:54	09/03/24 20:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		30 - 110					08/09/24 07:54	09/03/24 20:19	1

Lab Sample ID: LCS 160-674439/2-A
Matrix: Water
Analysis Batch: 677738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674439

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	8.901		0.932	1.00	0.0992	pCi/L	93	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	98.5		30 - 110						

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
1845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 677738

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA
Prep Batch: 674439

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.454		9.53	8.843		0.938	1.00	0.0898	pCi/L	88	60 - 140		
	MS	MS											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	89.7		30 - 110										

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 677738

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA
Prep Batch: 674439

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	0.454		9.41	9.476		0.994	1.00	0.0864	pCi/L	96	60 - 140	0.33	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	88.5		30 - 110										

Lab Sample ID: MB 160-674443/1-A
Matrix: Water
Analysis Batch: 677928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674443

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01754	U	0.0406	0.0407	1.00	0.0931	pCi/L	08/09/24 08:06	09/03/24 20:26	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					08/09/24 08:06	09/03/24 20:26	1

Lab Sample ID: LCS 160-674443/2-A
Matrix: Water
Analysis Batch: 677928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674443

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	9.58	7.362		0.785	1.00	0.0920	pCi/L	77	75 - 125		
	LCS	LCS									
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	105		30 - 110								

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 677928

Client Sample ID: HEN_49_MS
Prep Type: Total/NA
Prep Batch: 674443

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.136		9.53	7.561		0.804	1.00	0.0901	pCi/L	78	60 - 140		

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 677928

Client Sample ID: HEN_49_MS
Prep Type: Total/NA
Prep Batch: 674443

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	104		30 - 110

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 677928

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA
Prep Batch: 674443

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	0.136		9.58	7.851		0.838	1.00	0.0924	pCi/L	81	60 - 140	0.18	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	97.5		30 - 110										

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-671238/1-A
Matrix: Water
Analysis Batch: 672949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671238

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3731	U	0.441	0.442	1.00	0.726	pCi/L	07/18/24 08:52	07/30/24 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					07/18/24 08:52	07/30/24 12:38	1
Y Carrier	82.6		30 - 110					07/18/24 08:52	07/30/24 12:38	1

Lab Sample ID: LCS 160-671238/2-A
Matrix: Water
Analysis Batch: 672949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671238

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	8.72	10.05		1.40	1.00	0.590	pCi/L	115	75 - 125		
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	90.3		30 - 110								
Y Carrier	80.7		30 - 110								

Lab Sample ID: MB 160-671461/1-A
Matrix: Water
Analysis Batch: 673116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671461

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4548	U	0.345	0.347	1.00	0.529	pCi/L	07/19/24 07:33	07/31/24 12:07	1

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
1845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: MB 160-671461/1-A
Matrix: Water
Analysis Batch: 673116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671461

	MB	MB				
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110	07/19/24 07:33	07/31/24 12:07	1
Y Carrier	84.1		30 - 110	07/19/24 07:33	07/31/24 12:07	1

Lab Sample ID: LCS 160-671461/2-A
Matrix: Water
Analysis Batch: 673116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671461

					Total								
Analyte			Spike Added	LCS Result	LCS Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.72	10.74		1.40	1.00	0.472	pCi/L	123	75 - 125		
							</						

Lab Sample ID: 500-253560-5 DU
Matrix: Water
Analysis Batch: 673240

Client Sample ID: HEN_03R
Prep Type: Total/NA
Prep Batch: 671461

						Total							
	Sample	Sample		DU	DU	Uncert.							RER
Analyte	Result	Qual		Result	Qual	(2σ+/-)	RL	MDC	Unit				Limit
Radium-228	0.0642	U		0.3732	U	0.405	1.00	0.658	pCi/L			0.44	1
											</		

Lab Sample ID: MB 160-671939/1-A
Matrix: Water
Analysis Batch: 673560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671939

			Count	Total						
	MB	MB	Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06257	U	0.268	0.268	1.00	0.491	pCi/L	07/23/24 08:19	08/02/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					07/23/24 08:19	08/02/24 11:36	1
Y Carrier	79.3		30 - 110					07/23/24 08:19	08/02/24 11:36	1

Lab Sample ID: LCS 160-671939/2-A
Matrix: Water
Analysis Batch: 673560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671939

			Spike	LCS	LCS	Total									
Analyte			Added	Result	Qual	Uncert.	RL	MDC	Unit	%Rec	%Rec	Limits			
						(2σ+/-)									
Radium-228			8.71	9.955		1.36	1.00	0.540	pCi/L	114	75 - 125				

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: LCS 160-671939/2-A
Matrix: Water
Analysis Batch: 673560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671939

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	86.8		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: MB 160-674440/1-A
Matrix: Water
Analysis Batch: 676130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674440

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.06749	U	0.262	0.262	1.00	0.509	pCi/L	08/09/24 07:58	08/21/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		30 - 110					08/09/24 07:58	08/21/24 12:23	1
Y Carrier	84.9		30 - 110					08/09/24 07:58	08/21/24 12:23	1

Lab Sample ID: LCS 160-674440/2-A
Matrix: Water
Analysis Batch: 676130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674440

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.58	9.609		1.29	1.00	0.476	pCi/L	112	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	98.5		30 - 110						
Y Carrier	85.2		30 - 110						

Lab Sample ID: 500-253560-25 MS
Matrix: Water
Analysis Batch: 676130

Client Sample ID: HEN_21R_MS
Prep Type: Total/NA
Prep Batch: 674440

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.918		8.54	8.417		1.22	1.00	0.602	pCi/L	88	60 - 140
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	89.7		30 - 110								
Y Carrier	83.7		30 - 110								

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 676130

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA
Prep Batch: 674440

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	0.918		8.43	9.679		1.32	1.00	0.536	pCi/L	104	60 - 140	0.50	1

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-253560-25 MSD
Matrix: Water
Analysis Batch: 676130

Client Sample ID: HEN_21R_MSD
Prep Type: Total/NA
Prep Batch: 674440

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	88.5		30 - 110
Y Carrier	86.0		30 - 110

Lab Sample ID: MB 160-674444/1-A
Matrix: Water
Analysis Batch: 675777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674444

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6358		0.348	0.353	1.00	0.485	pCi/L	08/09/24 08:14	08/20/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					08/09/24 08:14	08/20/24 12:13	1
Y Carrier	74.4		30 - 110					08/09/24 08:14	08/20/24 12:13	1

Lab Sample ID: LCS 160-674444/2-A
Matrix: Water
Analysis Batch: 675777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674444

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.58	9.222		1.24	1.00	0.465	pCi/L	107	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	105		30 - 110						
Y Carrier	78.1		30 - 110						

Lab Sample ID: 500-253560-35 MS
Matrix: Water
Analysis Batch: 675777

Client Sample ID: HEN_49_MS
Prep Type: Total/NA
Prep Batch: 674444

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.305	U	8.54	10.03		1.32	1.00	0.465	pCi/L	114	60 - 140
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	104		30 - 110								
Y Carrier	77.8		30 - 110								

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 675777

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA
Prep Batch: 674444

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
Radium-228	0.305	U	8.58	10.56		1.40	1.00	0.596	pCi/L	119	60 - 140	0.20	1

Eurofins Chicago

QC Sample Results

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-253560-35 MSD
Matrix: Water
Analysis Batch: 675777

Client Sample ID: HEN_49_MSD
Prep Type: Total/NA
Prep Batch: 674444

Carrier	MSD		Limits
	%Yield	Qualifier	
Ba Carrier	97.5		30 - 110
Y Carrier	80.0		30 - 110

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- 2
- 3
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- 15

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_07

Date Collected: 07/15/24 15:20

Date Received: 07/16/24 13:05

Lab Sample ID: 500-253560-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671237	MLT	EET SL	07/18/24 08:48
Total/NA	Analysis	903.0		1	674446	SWS	EET SL	08/09/24 14:41
Total/NA	Prep	PrecSep_0			671238	MLT	EET SL	07/18/24 08:52
Total/NA	Analysis	904.0		1	672930	SCB	EET SL	07/30/24 12:36
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_12

Date Collected: 07/15/24 15:45

Date Received: 07/16/24 13:05

Lab Sample ID: 500-253560-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671237	MLT	EET SL	07/18/24 08:48
Total/NA	Analysis	903.0		1	674446	SWS	EET SL	08/09/24 14:41
Total/NA	Prep	PrecSep_0			671238	MLT	EET SL	07/18/24 08:52
Total/NA	Analysis	904.0		1	672930	SCB	EET SL	07/30/24 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_13

Date Collected: 07/15/24 16:35

Date Received: 07/16/24 13:05

Lab Sample ID: 500-253560-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671237	MLT	EET SL	07/18/24 08:48
Total/NA	Analysis	903.0		1	674446	SWS	EET SL	08/09/24 14:41
Total/NA	Prep	PrecSep_0			671238	MLT	EET SL	07/18/24 08:52
Total/NA	Analysis	904.0		1	672930	SCB	EET SL	07/30/24 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_03R

Date Collected: 07/16/24 09:53

Date Received: 07/17/24 09:40

Lab Sample ID: 500-253560-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674767	SWS	EET SL	08/12/24 23:59
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673240	SWS	EET SL	07/31/24 12:21
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R_FD

Lab Sample ID: 500-253560-6

Date Collected: 07/16/24 09:53

Matrix: Water

Date Received: 07/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674767	SWS	EET SL	08/12/24 23:59
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673240	SWS	EET SL	07/31/24 12:22
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_08

Lab Sample ID: 500-253560-9

Date Collected: 07/16/24 14:00

Matrix: Water

Date Received: 07/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	675246	SWS	EET SL	08/15/24 09:59
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_08&D

Lab Sample ID: 500-253560-10

Date Collected: 07/16/24 15:46

Matrix: Water

Date Received: 07/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674892	SCB	EET SL	08/13/24 07:38
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_16

Lab Sample ID: 500-253560-12

Date Collected: 07/16/24 15:30

Matrix: Water

Date Received: 07/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674892	SCB	EET SL	08/13/24 07:38
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:06
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_16_FD

Date Collected: 07/16/24 15:40

Date Received: 07/17/24 09:40

Lab Sample ID: 500-253560-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674892	SCB	EET SL	08/13/24 07:38
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:06
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_18&D

Date Collected: 07/16/24 13:17

Date Received: 07/17/24 09:40

Lab Sample ID: 500-253560-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674892	SCB	EET SL	08/13/24 07:38
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:06
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_18#S

Date Collected: 07/16/24 12:06

Date Received: 07/17/24 09:40

Lab Sample ID: 500-253560-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674892	SCB	EET SL	08/13/24 07:38
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:07
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_45#S

Date Collected: 07/16/24 08:42

Date Received: 07/17/24 09:40

Lab Sample ID: 500-253560-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671460	MLT	EET SL	07/19/24 07:30
Total/NA	Analysis	903.0		1	674892	SCB	EET SL	08/13/24 07:38
Total/NA	Prep	PrecSep_0			671461	MLT	EET SL	07/19/24 07:33
Total/NA	Analysis	904.0		1	673239	SWS	EET SL	07/31/24 12:07
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_23

Date Collected: 07/18/24 09:45

Date Received: 07/18/24 13:00

Lab Sample ID: 500-253560-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671938	MLT	EET SL	07/23/24 08:14
Total/NA	Analysis	903.0		1	674941	SCB	EET SL	08/14/24 15:09
Total/NA	Prep	PrecSep_0			671939	MLT	EET SL	07/23/24 08:19
Total/NA	Analysis	904.0		1	673556	SCB	EET SL	08/02/24 11:35
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_51

Date Collected: 07/18/24 10:25

Date Received: 07/18/24 13:00

Lab Sample ID: 500-253560-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671938	MLT	EET SL	07/23/24 08:14
Total/NA	Analysis	903.0		1	674941	SCB	EET SL	08/14/24 15:10
Total/NA	Prep	PrecSep_0			671939	MLT	EET SL	07/23/24 08:19
Total/NA	Analysis	904.0		1	673556	SCB	EET SL	08/02/24 11:36
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: FB

Date Collected: 07/18/24 08:00

Date Received: 07/18/24 13:00

Lab Sample ID: 500-253560-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			671938	MLT	EET SL	07/23/24 08:14
Total/NA	Analysis	903.0		1	674941	SCB	EET SL	08/14/24 15:10
Total/NA	Prep	PrecSep_0			671939	MLT	EET SL	07/23/24 08:19
Total/NA	Analysis	904.0		1	673556	SCB	EET SL	08/02/24 11:36
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_17

Date Collected: 08/06/24 09:10

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 20:20
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Client Sample ID: HEN_21R

Date Collected: 08/06/24 13:15

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 20:20
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_22

Date Collected: 08/06/24 15:50

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 20:21
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_22&D

Date Collected: 08/06/24 15:15

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 20:21
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_27

Date Collected: 08/06/24 10:45

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 20:21
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_32

Date Collected: 08/06/24 10:00

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 20:21
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_34

Date Collected: 08/06/24 09:10

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:24
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676130	SWS	EET SL	08/21/24 12:24
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_35

Date Collected: 08/06/24 11:35

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:24
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:25
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_35_FD

Date Collected: 08/06/24 11:35

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:24
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_46

Date Collected: 08/06/24 09:55

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:24
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_47

Date Collected: 08/06/24 11:20

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:24
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_49

Date Collected: 08/06/24 14:20

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674443	BMW	EET SL	08/09/24 08:06
Total/NA	Analysis	903.0		1	677928	SCB	EET SL	09/03/24 20:26
Total/NA	Prep	PrecSep_0			674444	BMW	EET SL	08/09/24 08:14
Total/NA	Analysis	904.0		1	675777	CMM	EET SL	08/20/24 12:13
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_50

Date Collected: 08/06/24 15:35

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:25
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 500-253560-2
SDG: HEN_000_RAD

Client Sample ID: HEN_52

Date Collected: 08/06/24 12:05

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:25
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_54

Date Collected: 08/06/24 10:40

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:25
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_54_FD

Date Collected: 08/06/24 10:45

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:25
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Client Sample ID: HEN_FB

Date Collected: 08/06/24 00:00

Date Received: 08/07/24 09:05

Lab Sample ID: 500-253560-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674439	BMW	EET SL	08/09/24 07:54
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 20:25
Total/NA	Prep	PrecSep_0			674440	BMW	EET SL	08/09/24 07:58
Total/NA	Analysis	904.0		1	676084	FLC	EET SL	08/21/24 12:26
Total/NA	Analysis	Ra226_Ra228 Pos		1	678510	CAH	EET SL	09/06/24 12:16

Laboratory References:

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

Eurofins Chicago

ATTACHMENT B.
15 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Accreditation/Certification Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

Job ID: 590-253560-2
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

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ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTEWATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		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						
1	HEN_21R														X					X		X	X	H	MS/MSD										
2	HEN_22														X					X		X	X	H											
3	HEN_22&D														X					X		X	X	H											
4	HEN_23														X					X		X	X	H											
5	HEN_25														X								J	DTW Only											
6	HEN_26														X								J	DTW Only											
7	HEN_27														X				X		X	X	H												
8	HEN_30														X								J	DTW Only											
9	HEN_31														X								J	DTW Only											
10	HEN_32														X				X		X	X	H												
11	HEN_33														X								J	DTW Only											
12	HEN_34														X				X		X	X	H												
13	HEN_35														X				X		X	X	H												
14	HEN_35 FD														X				X		X	X	H												
15	HEN_36														X								J	DTW Only											
16	HEN_40#C														X				X				E	SHORT HOLD - NO2											
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																						
HEN-24Q3 Rev 1		Lorne Filaverz Prill James EET			7-15-24	1700	James EET Prill James EET				7/16/24	11:05																							
					7/16/24	13:05					7/16/24	1305																							

09/06/24

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[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 <u>Loyne F. Lewis</u>					
SIGNATURE of SAMPLER <u>[Signature]</u>	DATE Signed (MM/DD/YY) <u>7 16 24</u>				

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[illegible]09/06/24

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Page 1 of 3

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

6.1 $\rightarrow$ 5.7

NAME of SAMPLER <i>Corne Filer</i>		DATE Signed (MM/DD/YY) <i>7/18/24</i>
NAME of SAMPLER <i>Corne Filer</i>		

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

Page 2 of 3

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes <u>MATRIX</u> <u>CODE</u> DRINKING WATER DW WATER WT WASTEWATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)											
					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
1	HEN_21R															X			X		X	X	H		MS/MSD				
2	HEN_22															X			X		X	X	H						
3	HEN_22&D															X			X		X	X	H						
4	HEN_23															X			X		X	X	H						
5	HEN_25															X			X				J		DTW Only				
6	HEN_26															X							J		DTW Only				
7	HEN_27															X			X		X	X	H						
8	HEN_30															X							J		DTW Only				
9	HEN_31															X							J		DTW Only				
10	HEN_32															X			X		X	X	F						
11	HEN_33															X							J		DTW Only				
12	HEN_34															X			X		X	X	H						
13	HEN_35															X			X		X	X	H						
14	HEN_35 FD															X			X		X	X	H						
15	HEN_36															X							J		DTW Only				
16	HEN_40#S															X			X				F		SHORT HOLD - NO2				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																	
HEN-24Q3 Rev 1		Conekulewicz			7-19-24	1300	Shirley Smith			7/18/24	1300																		

09/06/24

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Section C
Invoice information.

500-253560 COC

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

24

58 → 57, 18 → 17, 58 → 57 58 → 57, 18 → 17
62 → 59, 43 → 42 58 → 57, 18 → 17

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Page 2 of 3

[illegible]09/06/24

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34
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36
37
38
39
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Client Information (Sub Contract Lab)					
Sampler	Nelson, Dirk	E-Mail Dirk.Nelson@et.eurofins.com	Carrier Tracking No(s) 500-190607_1		
Phone:	State of Origin Illinois	Page Page 1 of 1	JOB # 500-253560-2		
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-24Q3 Site SSOW#		Preservation Codes: 			
Due Date Requested: 8/14/2024					
TAT Requested (days):					
P.O.#					
W.O.#					
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BB	904.0/P.PrecSep_BB		
RaZz6.228GFP_C_P/B B					
Total Number of Containers					
Special Instructions/Note:					
HEN_03R (500-253560-5)	Sample Date 7/16/24	Sample Time 09:53 Central	Matrix Water		
HEN_03R_FD (500-253560-6)	7/16/24	09:53 Central	Water		
HEN_08 (500-253560-9)	7/16/24	14:00 Central	Water		
HEN_08&D (500-253560-10)	7/16/24	15:46 Central	Water		
HEN_16 (500-253560-12)	7/16/24	15:30 Central	Water		
HEN_16_FD (500-253560-13)	7/16/24	15:40 Central	Water		
HEN_18&D (500-253560-14)	7/16/24	13:17 Central	Water		
HEN_18S (500-253560-15)	7/16/24	12:06 Central	Water		
HEN_45WS (500-253560-17)	7/16/24	08:42 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					
Date: 7/17/24	Date: 7/16/24	Date: 7/16/24	Date: 7/16/24		
Inquired by [Signature]	Inquired by [Signature]	Inquired by [Signature]	Inquired by [Signature]		
Custody Seal Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	Company Company Company		

Environment Testing

Ver: 04/02/2024

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)						Lab PM: Nelson, Dirk		Carrier Tracking Note(s): COC No. 500-191394-1			
Shipping/Receiving TestAmerica Laboratories, Inc.						E-Mail: Dirk.Nelson@et.eurofins.com		Page Page 1 of 3			
Address 13715 Rider Trail North, City Earth City State, Zip: MO, 63045 Phone 314-298-8566(Tel) 314-298-8757(Fax) Email						Accreditations Required (See note) NELAP - Illinois		Job # 500-253560-1			
Project Name HEN-24Q3 Site						Project # 50023030 SSOW#		Preservation Codes:			
Due Date Requested: 7/31/2024						TAT Requested (days):		Analysis Requested			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sealed, Overhead Oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 BB	904.0/PrecSep_0 BB	Ra226_P/B	Total Number of containers	Special Instructions/Note:
HEN_17 (500-253560-24)	8/6/24	09:10 Central		Water	X	X	X	X	X	2	
HEN_21R (500-253560-25)	8/6/24	13:15 Central		Water	X	X	X	X	X	2	
HEN_21R_MS (500-253560-25MS)	8/6/24	13:15 Central	MS	Water	X	X	X	X	X	2	
HEN_21R_MSD (500-253560-25MSD)	8/6/24	13:15 Central	MSD	Water	X	X	X	X	X	2	
HEN_22 (500-253560-26)	8/6/24	15:50 Central		Water	X	X	X	X	X	2	
HEN_22&D (500-253560-27)	8/6/24	15:15 Central		Water	X	X	X	X	X	2	
HEN_27 (500-253560-28)	8/6/24	10:45 Central		Water	X	X	X	X	X	2	
HEN_32 (500-253560-29)	8/6/24	10:00 Central		Water	X	X	X	X	X	2	
HEN_34 (500-253560-30)	8/6/24	09:10 Central		Water	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: _____

Date: _____ Time: _____ Method of Shipment: _____

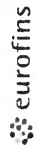
Received by: _____ Date/Time: _____ Company: _____

Relinquished by: *Alvin Booth* Date/Time: *8/7/24* 1600 Company: _____

Custody Seal No.: _____ Relinquished by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler		Lab PM Nelson, Dirk		Carrier Tracking No(s)		COC No 500-191394-2	
Shipping/Receiving		Phone		E-Mail Dirk.Nelson@eurofins.com		State of Origin Illinois		Page Page 2 of 3	
Company TestAmerica Laboratories, Inc.		Address 13715 Rider Trail North,		Accreditations Required (See note) NELAP - Illinois		Job # 500-253560-1		Preservation Codes:	
City Earth City		State, Zip MO, 63045		Due Date Requested: 7/31/2024		TAT Requested (days):		Analysis Requested	
Phone 314-298-8566(Tel) 314-298-8757(Fax)		PO #		Field Filtered Sample (Yes or No)		903.03/PrecSep_21 BB		904.0/PrecSep_0 BB	
Email		WO #		Matrix (W=Water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Ra226_228GFP_C_P/BB		Total Number of containers	
Project Name HEN-24Q3		Project # 50023030		Sample Type (C=Comp, G=grab)		Preservation Code:		Special Instructions/Note:	
Site		SSOW#		Sample Time		Sample Date		Other:	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type		Matrix	
HEN_35 (500-253560-31)		8/6/24		11:35 Central		Water		X	
HEN_35_FD (500-253560-32)		8/6/24		11:35 Central		Water		X	
HEN_46 (500-253560-33)		8/6/24		09:55 Central		Water		X	
HEN_47 (500-253560-34)		8/6/24		11:20 Central		Water		X	
HEN_49 (500-253560-35)		8/6/24		14:20 Central		Water		X	
HEN_49_MS (500-253560-35MS)		8/6/24		14:20 Central		MS		X	
HEN_49_MSD (500-253560-35MSD)		8/6/24		14:20 Central		MSD		X	
HEN_50 (500-253560-36)		8/6/24		15:35 Central		Water		X	
HEN_52 (500-253560-37)		8/6/24		12:05 Central		Water		X	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)									
Primary Deliverable Rank: 2									
Empty Kit Relinquished by:									
Relinquished by: <i>Phil Smith</i> Date: 8/7/24									
Relinquished by: <i>M. Pinette</i> Date: 8/8/24									
Relinquished by: Date: 8/8/24									
Custody Seal No.: <i>1608</i>									
Custody Seals Intact: <i>Yes</i> ☒ <i>No</i> ☐									
Cooler Temperature(s) °C and Other Remarks:									

[illegible]

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-253560-2
SDG Number: HEN_000_RAD

Login Number: 253560

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	4.0,-0.2,0.9,3.1,0.9,0.8,1.6,5.7,11.8,12.7,11.8,9.1,11.3,5.7,1.7,5.7,5.9,4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-253560-2
SDG Number: HEN_000_RAD

Login Number: 253560

List Number: 3

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 07/17/24 01:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-253560-2
SDG Number: HEN_000_RAD

Login Number: 253560

List Number: 5

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 07/18/24 11:38 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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-253560-2
SDG Number: HEN_000_RAD

Login Number: 253560

List Number: 7

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 07/19/24 03:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
HEN-845-804

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-253560-2
SDG Number: HEN_000_RAD

Login Number: 253560

List Number: 8

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 08/08/24 12:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 500-253560-2
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
500-253560-1	HEN_07	93.3					
500-253560-2	HEN_12	93.5					
500-253560-3	HEN_13	92.8					
500-253560-5	HEN_03R	90.6					
500-253560-5 DU	HEN_03R	83.9					
500-253560-6	HEN_03R_FD	91.8					
500-253560-9	HEN_08	88.3					
500-253560-10	HEN_08&D	88.3					
500-253560-12	HEN_16	83.6					
500-253560-13	HEN_16_FD	85.4					
500-253560-14	HEN_18&D	87.6					
500-253560-15	HEN_18#S	83.9					
500-253560-17	HEN_45#S	87.6					
500-253560-19	HEN_23	97.3					
500-253560-21	HEN_51	95.0					
500-253560-22	FB	94.3					
500-253560-24	HEN_17	93.6					
500-253560-25	HEN_21R	87.7					
500-253560-25 MS	HEN_21R_MS	89.7					
500-253560-25 MSD	HEN_21R_MSD	88.5					
500-253560-26	HEN_22	93.1					
500-253560-27	HEN_22&D	95.3					
500-253560-28	HEN_27	91.4					
500-253560-29	HEN_32	98.3					
500-253560-30	HEN_34	88.7					
500-253560-31	HEN_35	94.3					
500-253560-32	HEN_35_FD	97.8					
500-253560-33	HEN_46	92.6					
500-253560-34	HEN_47	91.9					
500-253560-35	HEN_49	91.4					
500-253560-35 MS	HEN_49_MS	104					
500-253560-35 MSD	HEN_49_MSD	97.5					
500-253560-36	HEN_50	90.4					
500-253560-37	HEN_52	92.4					
500-253560-38	HEN_54	91.2					
500-253560-39	HEN_54_FD	87.7					
500-253560-40	HEN_FB	89.7					
LCS 160-671237/2-A	Lab Control Sample	90.3					
LCS 160-671460/2-A	Lab Control Sample	93.8					
LCS 160-671938/2-A	Lab Control Sample	86.8					
LCS 160-674439/2-A	Lab Control Sample	98.5					
LCS 160-674443/2-A	Lab Control Sample	105					
MB 160-671237/1-A	Method Blank	80.4					
MB 160-671460/1-A	Method Blank	93.8					
MB 160-671938/1-A	Method Blank	94.5					
MB 160-674439/1-A	Method Blank	99.8					
MB 160-674443/1-A	Method Blank	101					

Tracer/Carrier Legend

Ba = Ba Carrier

Eurofins Chicago

Tracer/Carrier Summary

Client: Vistra Energy Corp
Project/Site: HEN-24Q3

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM

Job ID: 500-253560-2
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)
500-253560-1	HEN_07	93.3	78.9
500-253560-2	HEN_12	93.5	80.7
500-253560-3	HEN_13	92.8	83.4
500-253560-5	HEN_03R	90.6	83.4
500-253560-5 DU	HEN_03R	83.9	82.2
500-253560-6	HEN_03R_FD	91.8	85.2
500-253560-9	HEN_08	88.3	85.2
500-253560-10	HEN_08&D	88.3	84.1
500-253560-12	HEN_16	83.6	84.9
500-253560-13	HEN_16_FD	85.4	84.9
500-253560-14	HEN_18&D	87.6	84.5
500-253560-15	HEN_18#S	83.9	83.4
500-253560-17	HEN_45#S	87.6	86.7
500-253560-19	HEN_23	97.3	86.4
500-253560-21	HEN_51	95.0	82.2
500-253560-22	FB	94.3	85.6
500-253560-24	HEN_17	93.6	84.1
500-253560-25	HEN_21R	87.7	84.9
500-253560-25 MS	HEN_21R_MS	89.7	83.7
500-253560-25 MSD	HEN_21R_MSD	88.5	86.0
500-253560-26	HEN_22	93.1	83.0
500-253560-27	HEN_22&D	95.3	85.6
500-253560-28	HEN_27	91.4	83.7
500-253560-29	HEN_32	98.3	83.7
500-253560-30	HEN_34	88.7	86.7
500-253560-31	HEN_35	94.3	88.6
500-253560-32	HEN_35_FD	97.8	85.2
500-253560-33	HEN_46	92.6	88.2
500-253560-34	HEN_47	91.9	83.4
500-253560-35	HEN_49	91.4	73.6
500-253560-35 MS	HEN_49_MS	104	77.8
500-253560-35 MSD	HEN_49_MSD	97.5	80.0
500-253560-36	HEN_50	90.4	84.5
500-253560-37	HEN_52	92.4	86.4
500-253560-38	HEN_54	91.2	87.9
500-253560-39	HEN_54_FD	87.7	89.0
500-253560-40	HEN_FB	89.7	84.1
LCS 160-671238/2-A	Lab Control Sample	90.3	80.7
LCS 160-671461/2-A	Lab Control Sample	93.8	84.5
LCS 160-671939/2-A	Lab Control Sample	86.8	82.2
LCS 160-674440/2-A	Lab Control Sample	98.5	85.2
LCS 160-674444/2-A	Lab Control Sample	105	78.1
MB 160-671238/1-A	Method Blank	80.4	82.6
MB 160-671461/1-A	Method Blank	93.8	84.1
MB 160-671939/1-A	Method Blank	94.5	79.3
MB 160-674440/1-A	Method Blank	99.8	84.9
MB 160-674444/1-A	Method Blank	101	74.4

Tracer/Carrier Legend

Ba = Ba Carrier

Eurofins Chicago

Client: Vistra Energy Corp
Project/Site: HEN-24Q3
Y = Y Carrier

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
HENNEPIN POWER PLANT, WEST ASH POND SYSTEM
Job ID: 590-253560-2
SDG: HEN_000_RAD

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**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 3, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
21/21R	UA	E006	Antimony, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.003	0.001
21/21R	UA	E006	Arsenic, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	0.0237	0.001
21/21R	UA	E006	Barium, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	0.297	0.156
21/21R	UA	E006	Beryllium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.001	0.001
21/21R	UA	E006	Boron, total	mg/L	03/11/20 - 08/06/24	19	0	CB around linear reg	1.57	0.205
21/21R	UA	E006	Cadmium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.0005	0.001
21/21R	UA	E006	Chloride, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	86.9	108
21/21R	UA	E006	Chromium, total	mg/L	03/11/20 - 08/06/24	19	42	CI around median	0.0015	0.00130
21/21R	UA	E006	Cobalt, total	mg/L	03/11/20 - 08/06/24	19	47	CI around median	0.001	0.00170
21/21R	UA	E006	Fluoride, total	mg/L	03/11/20 - 08/06/24	19	10	CI around median	0.14	0.170
21/21R	UA	E006	Lead, total	mg/L	03/11/20 - 08/06/24	19	5	CI around mean	0.00208	0.001
21/21R	UA	E006	Lithium, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	0.0207	0.0140
21/21R	UA	E006	Mercury, total	mg/L	03/11/20 - 08/06/24	19	95	CI around median	0.0002	0.0002
21/21R	UA	E006	Molybdenum, total	mg/L	03/11/20 - 08/06/24	19	5	CI around mean	0.00825	0.00200
21/21R	UA	E006	pH (field)	SU	03/11/20 - 08/06/24	19	0	CI around mean	7.3/7.5	6.7/7.4
21/21R	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/11/20 - 08/06/24	14	0	CI around mean	1.03	2.60
21/21R	UA	E006	Selenium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.0025	0.00110
21/21R	UA	E006	Sulfate, total	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	87.9	117
21/21R	UA	E006	Thallium, total	mg/L	03/11/20 - 08/06/24	19	100	All ND - Last	0.002	0.001
21/21R	UA	E006	Total Dissolved Solids	mg/L	03/11/20 - 08/06/24	19	0	CI around mean	625	830
22	UA	E006	Antimony, total	mg/L	12/10/15 - 08/06/24	35	92	CB around T-S line	0.001	0.001
22	UA	E006	Arsenic, total	mg/L	12/10/15 - 08/06/24	39	73	CI around median	0.001	0.001
22	UA	E006	Barium, total	mg/L	12/10/15 - 08/06/24	35	0	CI around median	0.0628	0.156
22	UA	E006	Beryllium, total	mg/L	12/10/15 - 08/06/24	35	100	All ND - Last	0.001	0.001
22	UA	E006	Boron, total	mg/L	12/10/15 - 08/06/24	40	0	CB around T-S line	2.74	0.205
22	UA	E006	Cadmium, total	mg/L	12/10/15 - 08/06/24	35	8	CB around T-S line	0.00521	0.001
22	UA	E006	Chloride, total	mg/L	12/10/15 - 08/06/24	42	0	CB around T-S line	90.7	108

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
22	UA	E006	Chromium, total	mg/L	12/10/15 - 08/06/24	35	100	All ND - Last	0.005	0.00130
22	UA	E006	Cobalt, total	mg/L	12/10/15 - 08/06/24	35	8	CI around mean	0.00193	0.00170
22	UA	E006	Fluoride, total	mg/L	12/10/15 - 08/06/24	35	5	CI around median	0.15	0.170
22	UA	E006	Lead, total	mg/L	12/10/15 - 08/06/24	35	97	CB around T-S line	0.001	0.001
22	UA	E006	Lithium, total	mg/L	12/10/15 - 08/06/24	39	0	CB around T-S line	0.0447	0.0140
22	UA	E006	Mercury, total	mg/L	12/10/15 - 08/06/24	33	100	All ND - Last	0.0002	0.0002
22	UA	E006	Molybdenum, total	mg/L	12/10/15 - 08/06/24	39	0	CB around T-S line	0.0546	0.00200
22	UA	E006	pH (field)	SU	12/10/15 - 08/06/24	38	0	CI around median	7.6/7.7	6.7/7.4
22	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/10/15 - 08/06/24	26	0	CI around mean	0.369	2.60
22	UA	E006	Selenium, total	mg/L	12/10/15 - 08/06/24	35	5	CI around mean	0.0131	0.00110
22	UA	E006	Sulfate, total	mg/L	12/10/15 - 08/06/24	42	0	CB around linear reg	92.8	117
22	UA	E006	Thallium, total	mg/L	12/10/15 - 08/06/24	35	95	CB around T-S line	0.002	0.001
22	UA	E006	Total Dissolved Solids	mg/L	12/10/15 - 08/06/24	42	0	CB around linear reg	584	830
22D	UA	E006	Antimony, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.003	0.001
22D	UA	E006	Arsenic, total	mg/L	09/17/19 - 08/06/24	19	10	CI around median	0.0012	0.001
22D	UA	E006	Barium, total	mg/L	09/17/19 - 08/06/24	19	0	CB around T-S line	0.0657	0.156
22D	UA	E006	Beryllium, total	mg/L	09/17/19 - 08/06/24	18	100	All ND - Last	0.001	0.001
22D	UA	E006	Boron, total	mg/L	09/17/19 - 08/06/24	19	0	CB around linear reg	1.13	0.205
22D	UA	E006	Cadmium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.0005	0.001
22D	UA	E006	Chloride, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	91.5	108
22D	UA	E006	Chromium, total	mg/L	09/17/19 - 08/06/24	19	90	CB around T-S line	0.0015	0.00130
22D	UA	E006	Cobalt, total	mg/L	09/17/19 - 08/06/24	19	95	CI around median	0.001	0.00170
22D	UA	E006	Fluoride, total	mg/L	09/17/19 - 08/06/24	19	10	CI around median	0.11	0.170
22D	UA	E006	Lead, total	mg/L	09/17/19 - 08/06/24	19	90	CI around median	0.00065	0.001
22D	UA	E006	Lithium, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.0149	0.0140
22D	UA	E006	Mercury, total	mg/L	12/11/19 - 08/06/24	18	100	All ND - Last	0.0002	0.0002
22D	UA	E006	Molybdenum, total	mg/L	09/17/19 - 08/06/24	19	5	CI around geomean	0.00657	0.00200

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
22D	UA	E006	pH (field)	SU	09/17/19 - 08/06/24	22	0	CI around mean	7.2/7.3	6.7/7.4
22D	UA	E006	Radium 226 + Radium 228, total	pCi/L	09/17/19 - 08/06/24	16	0	CI around mean	0.771	2.60
22D	UA	E006	Selenium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.0025	0.00110
22D	UA	E006	Sulfate, total	mg/L	09/17/19 - 08/06/24	19	0	CB around linear reg	86.3	117
22D	UA	E006	Thallium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.002	0.001
22D	UA	E006	Total Dissolved Solids	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	611	830
23	UA	E006	Antimony, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.003	0.001
23	UA	E006	Arsenic, total	mg/L	12/10/15 - 07/18/24	39	90	CB around T-S line	0.001	0.001
23	UA	E006	Barium, total	mg/L	12/10/15 - 07/18/24	35	0	CB around T-S line	0.0371	0.156
23	UA	E006	Beryllium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.001	0.001
23	UA	E006	Boron, total	mg/L	12/10/15 - 07/18/24	40	0	CB around T-S line	8.44	0.205
23	UA	E006	Cadmium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.0005	0.001
23	UA	E006	Chloride, total	mg/L	12/10/15 - 07/18/24	42	1	CB around T-S line	52	108
23	UA	E006	Chromium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.005	0.00130
23	UA	E006	Cobalt, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.001	0.00170
23	UA	E006	Fluoride, total	mg/L	12/10/15 - 07/18/24	35	5	CI around median	0.15	0.170
23	UA	E006	Lead, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.0005	0.001
23	UA	E006	Lithium, total	mg/L	12/10/15 - 07/18/24	39	10	CI around median	0.0048	0.0140
23	UA	E006	Mercury, total	mg/L	12/10/15 - 07/18/24	33	100	All ND - Last	0.0002	0.0002
23	UA	E006	Molybdenum, total	mg/L	12/10/15 - 07/18/24	39	0	CI around median	0.0147	0.00200
23	UA	E006	pH (field)	SU	12/10/15 - 07/18/24	37	0	CI around mean	7.4/7.5	6.7/7.4
23	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/10/15 - 07/18/24	26	0	CI around mean	0.257	2.60
23	UA	E006	Selenium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.0025	0.00110
23	UA	E006	Sulfate, total	mg/L	12/10/15 - 07/18/24	42	0	CI around median	423	117
23	UA	E006	Thallium, total	mg/L	12/10/15 - 07/18/24	35	100	All ND - Last	0.002	0.001
23	UA	E006	Total Dissolved Solids	mg/L	12/10/15 - 07/18/24	42	0	CI around mean	888	830
24/51	UA	E006	Antimony, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.003	0.001

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
24/51	UA	E006	Arsenic, total	mg/L	03/11/20 - 07/18/24	24	0	CB around linear reg	0.0199	0.001
24/51	UA	E006	Barium, total	mg/L	03/11/20 - 07/18/24	20	0	CI around mean	0.105	0.156
24/51	UA	E006	Beryllium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.001	0.001
24/51	UA	E006	Boron, total	mg/L	03/11/20 - 07/18/24	24	0	CB around linear reg	0.972	0.205
24/51	UA	E006	Cadmium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.0005	0.001
24/51	UA	E006	Chloride, total	mg/L	03/11/20 - 07/18/24	24	0	CI around mean	98	108
24/51	UA	E006	Chromium, total	mg/L	03/11/20 - 07/18/24	20	60	CI around median	0.0015	0.00130
24/51	UA	E006	Cobalt, total	mg/L	03/11/20 - 07/18/24	20	55	CI around median	0.001	0.00170
24/51	UA	E006	Fluoride, total	mg/L	03/11/20 - 07/18/24	19	10	CI around median	0.13	0.170
24/51	UA	E006	Lead, total	mg/L	03/11/20 - 07/18/24	20	30	CI around geomean	0.00075	0.001
24/51	UA	E006	Lithium, total	mg/L	03/11/20 - 07/18/24	24	0	CI around median	0.023	0.0140
24/51	UA	E006	Mercury, total	mg/L	03/11/20 - 07/18/24	19	100	All ND - Last	0.0002	0.0002
24/51	UA	E006	Molybdenum, total	mg/L	03/11/20 - 07/18/24	24	4	CB around linear reg	0.00472	0.00200
24/51	UA	E006	pH (field)	SU	03/11/20 - 07/18/24	19	0	CI around mean	7.3/7.4	6.7/7.4
24/51	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/11/20 - 07/18/24	14	0	CI around mean	1.08	2.60
24/51	UA	E006	Selenium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.0025	0.00110
24/51	UA	E006	Sulfate, total	mg/L	03/11/20 - 07/18/24	24	0	CB around linear reg	78.9	117
24/51	UA	E006	Thallium, total	mg/L	03/11/20 - 07/18/24	20	100	All ND - Last	0.002	0.001
24/51	UA	E006	Total Dissolved Solids	mg/L	03/11/20 - 07/18/24	24	0	CI around mean	626	830
27	UA	E006	Antimony, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.003	0.001
27	UA	E006	Arsenic, total	mg/L	09/12/18 - 08/06/24	22	62	CI around median	0.001	0.001
27	UA	E006	Barium, total	mg/L	09/12/18 - 08/06/24	22	0	CI around median	0.0837	0.156
27	UA	E006	Beryllium, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.001	0.001
27	UA	E006	Boron, total	mg/L	09/12/18 - 08/06/24	22	0	CB around linear reg	1.4	0.205
27	UA	E006	Cadmium, total	mg/L	09/12/18 - 08/06/24	22	96	CI around median	0.001	0.001
27	UA	E006	Chloride, total	mg/L	03/08/16 - 08/06/24	27	0	CB around linear reg	97.9	108
27	UA	E006	Chromium, total	mg/L	09/12/18 - 08/06/24	22	79	CB around T-S line	0.0015	0.00130

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
27	UA	E006	Cobalt, total	mg/L	09/12/18 - 08/06/24	22	8	CI around mean	0.00203	0.00170
27	UA	E006	Fluoride, total	mg/L	09/12/18 - 08/06/24	22	4	CI around median	0.12	0.170
27	UA	E006	Lead, total	mg/L	09/12/18 - 08/06/24	22	50	CI around median	0.001	0.001
27	UA	E006	Lithium, total	mg/L	09/12/18 - 08/06/24	22	0	CI around mean	0.0218	0.0140
27	UA	E006	Mercury, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.0002	0.0002
27	UA	E006	Molybdenum, total	mg/L	09/12/18 - 08/06/24	22	27	CI around median	0.0044	0.00200
27	UA	E006	pH (field)	SU	03/08/16 - 08/06/24	27	0	CI around mean	7.1/7.2	6.7/7.4
27	UA	E006	Radium 226 + Radium 228, total	pCi/L	09/12/18 - 08/06/24	16	0	CI around geomean	0.231	2.60
27	UA	E006	Selenium, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.0025	0.00110
27	UA	E006	Sulfate, total	mg/L	03/08/16 - 08/06/24	27	0	CB around linear reg	87.3	117
27	UA	E006	Thallium, total	mg/L	09/12/18 - 08/06/24	22	100	All ND - Last	0.002	0.001
27	UA	E006	Total Dissolved Solids	mg/L	03/08/16 - 08/06/24	27	0	CI around median	642	830
35	UA	E006	Antimony, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.003	0.001
35	UA	E006	Arsenic, total	mg/L	12/09/15 - 08/06/24	34	76	CI around median	0.001	0.001
35	UA	E006	Barium, total	mg/L	12/09/15 - 08/06/24	34	0	CI around mean	0.041	0.156
35	UA	E006	Beryllium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.001	0.001
35	UA	E006	Boron, total	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	11.4	0.205
35	UA	E006	Cadmium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.0005	0.001
35	UA	E006	Chloride, total	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	18.7	108
35	UA	E006	Chromium, total	mg/L	12/09/15 - 08/06/24	34	97	CB around T-S line	0.0015	0.00130
35	UA	E006	Cobalt, total	mg/L	12/09/15 - 08/06/24	34	41	CI around median	0.001	0.00170
35	UA	E006	Fluoride, total	mg/L	12/09/15 - 08/06/24	35	3	CI around median	0.17	0.170
35	UA	E006	Lead, total	mg/L	12/09/15 - 08/06/24	34	91	CB around T-S line	0.000774	0.001
35	UA	E006	Lithium, total	mg/L	12/09/15 - 08/06/24	34	0	CI around mean	0.0243	0.0140
35	UA	E006	Mercury, total	mg/L	12/09/15 - 08/06/24	33	100	All ND - Last	0.0002	0.0002
35	UA	E006	Molybdenum, total	mg/L	12/09/15 - 08/06/24	34	0	CI around mean	0.0656	0.00200
35	UA	E006	pH (field)	SU	12/09/15 - 08/06/24	35	0	CB around linear reg	6.8/7.0	6.7/7.4

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
35	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 08/06/24	27	0	CI around median	0.31	2.60
35	UA	E006	Selenium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.0025	0.00110
35	UA	E006	Sulfate, total	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	667	117
35	UA	E006	Thallium, total	mg/L	12/09/15 - 08/06/24	34	100	All ND - Last	0.002	0.001
35	UA	E006	Total Dissolved Solids	mg/L	12/09/15 - 08/06/24	35	0	CB around linear reg	1,290	830
49	UA	E006	Antimony, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.003	0.001
49	UA	E006	Arsenic, total	mg/L	12/10/15 - 08/06/24	34	97	CI around median	0.001	0.001
49	UA	E006	Barium, total	mg/L	12/10/15 - 08/06/24	34	0	CB around T-S line	0.0617	0.156
49	UA	E006	Beryllium, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.001	0.001
49	UA	E006	Boron, total	mg/L	12/10/15 - 08/06/24	35	0	CB around linear reg	0.439	0.205
49	UA	E006	Cadmium, total	mg/L	12/10/15 - 08/06/24	34	26	CB around linear reg	0.00144	0.001
49	UA	E006	Chloride, total	mg/L	12/10/15 - 08/06/24	35	0	CI around median	100	108
49	UA	E006	Chromium, total	mg/L	12/10/15 - 08/06/24	34	97	CB around T-S line	0.0015	0.00130
49	UA	E006	Cobalt, total	mg/L	12/10/15 - 08/06/24	34	0	CI around mean	0.00434	0.00170
49	UA	E006	Fluoride, total	mg/L	12/10/15 - 08/06/24	35	3	CI around median	0.15	0.170
49	UA	E006	Lead, total	mg/L	12/10/15 - 08/06/24	34	91	CI around median	0.001	0.001
49	UA	E006	Lithium, total	mg/L	12/10/15 - 08/06/24	34	0	CI around mean	0.024	0.0140
49	UA	E006	Mercury, total	mg/L	12/10/15 - 08/06/24	33	100	All ND - Last	0.0002	0.0002
49	UA	E006	Molybdenum, total	mg/L	12/10/15 - 08/06/24	34	0	CB around T-S line	0.0202	0.00200
49	UA	E006	pH (field)	SU	12/10/15 - 08/06/24	36	0	CI around mean	7.1/7.2	6.7/7.4
49	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/10/15 - 08/06/24	27	0	CI around mean	0.364	2.60
49	UA	E006	Selenium, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.0025	0.00110
49	UA	E006	Sulfate, total	mg/L	12/10/15 - 08/06/24	35	0	CB around linear reg	68.9	117
49	UA	E006	Thallium, total	mg/L	12/10/15 - 08/06/24	34	100	All ND - Last	0.002	0.001
49	UA	E006	Total Dissolved Solids	mg/L	12/10/15 - 08/06/24	35	0	CB around linear reg	576	830
50	UA	E006	Antimony, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.003	0.001
50	UA	E006	Arsenic, total	mg/L	09/17/19 - 08/06/24	19	90	CI around median	0.001	0.001

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
50	UA	E006	Barium, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.0862	0.156
50	UA	E006	Beryllium, total	mg/L	09/17/19 - 08/06/24	18	100	All ND - Last	0.001	0.001
50	UA	E006	Boron, total	mg/L	09/17/19 - 08/06/24	19	0	CI around median	0.696	0.205
50	UA	E006	Cadmium, total	mg/L	09/17/19 - 08/06/24	19	5	CI around median	0.0011	0.001
50	UA	E006	Chloride, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	87.1	108
50	UA	E006	Chromium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.005	0.00130
50	UA	E006	Cobalt, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.00412	0.00170
50	UA	E006	Fluoride, total	mg/L	09/17/19 - 08/06/24	19	21	CI around median	0.11	0.170
50	UA	E006	Lead, total	mg/L	09/17/19 - 08/06/24	19	95	CB around T-S line	0.000656	0.001
50	UA	E006	Lithium, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	0.0199	0.0140
50	UA	E006	Mercury, total	mg/L	12/11/19 - 08/06/24	18	100	All ND - Last	0.0002	0.0002
50	UA	E006	Molybdenum, total	mg/L	09/17/19 - 08/06/24	19	0	CI around geomean	0.0299	0.00200
50	UA	E006	pH (field)	SU	09/17/19 - 08/06/24	22	0	CB around linear reg	7.3/7.6	6.7/7.4
50	UA	E006	Radium 226 + Radium 228, total	pCi/L	09/17/19 - 08/06/24	15	0	CI around mean	0.607	2.60
50	UA	E006	Selenium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.0025	0.00110
50	UA	E006	Sulfate, total	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	88.8	117
50	UA	E006	Thallium, total	mg/L	09/17/19 - 08/06/24	19	100	All ND - Last	0.002	0.001
50	UA	E006	Total Dissolved Solids	mg/L	09/17/19 - 08/06/24	19	0	CI around mean	610	830

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
WEST ASH POND SYSTEM
HENNEPIN, IL

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

Missing Code (if applicable):

NR¹ = Select parameters were not analyzed.

NS¹ = This well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance, therefore, a sample was not collected.

NS³ = A sample was not collected because the location was inaccessible.

NS⁴ = The location could not be found, therefore a sample was not collected.

NS⁵ = A sample was not collected because of damage to the well.

NS⁶ = A sample was not collected because of pump issues.

NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.

PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

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

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