



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

April 13, 2025

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

Re: Hennepin Power Plant Ash Ponds No. 2 and No. 4; IEPA ID # W1550100002-04 and # W1550100002-07

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 1, 2025 sampling event at the Hennepin Power Plant Ash Ponds No. 2 and No. 4, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1550100002-04 and No. W1550100002-07. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ of the GWPS.

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 1, 2025, Ash Ponds No. 2 and No. 4, Hennepin Power Plant, Hennepin, Illinois

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Dynegy Midwest Generation, LLC's operating permit application for Hennepin Power Plant Ash Ponds No. 2 and No. 4. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 1, 2025
ASH PONDS NO. 2 AND NO. 4, HENNEPIN POWER PLANT, HENNEPIN, ILLINOIS

April 13, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on February 12, 2025.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 1, 2025 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 1, 2025 sampling event.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan², constituent concentrations observed at compliance monitoring wells in Quarter 1, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

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

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

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

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Dynegy Midwest Generation, LLC's operating permit application for Hennepin Power Plant Ash Ponds No. 2 and No. 4. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Dynegy Midwest Generation, LLC has not identified any actual exceedances.

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan Addendum for Ash Pond No. 2 and Ash Pond No. 4. Hennepin Power Plant. Hennepin, Illinois. October 25, 2021.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
07	Background	E008	01/17/2025	Antimony, total	0.0013 U	mg/L
07	Background	E008	01/17/2025	Arsenic, total	0.00023 U	mg/L
07	Background	E008	01/17/2025	Barium, total	0.0920	mg/L
07	Background	E008	01/17/2025	Beryllium, total	0.00053 U	mg/L
07	Background	E008	01/17/2025	Boron, total	0.0700 J+	mg/L
07	Background	E008	01/17/2025	Cadmium, total	0.00017 U	mg/L
07	Background	E008	01/17/2025	Calcium, total	130	mg/L
07	Background	E008	01/17/2025	Chloride, total	60.0	mg/L
07	Background	E008	01/17/2025	Chromium, total	0.0011 U	mg/L
07	Background	E008	01/17/2025	Cobalt, total	0.00260	mg/L
07	Background	E008	01/17/2025	Dissolved Oxygen	5.57	mg/L
07	Background	E008	01/17/2025	Fluoride, total	0.130	mg/L
07	Background	E008	01/17/2025	Lead, total	0.0002 J	mg/L
07	Background	E008	01/17/2025	Lithium, total	0.00980	mg/L
07	Background	E008	01/17/2025	Mercury, total	0.000076 U	mg/L
07	Background	E008	01/17/2025	Molybdenum, total	0.0025 U	mg/L
07	Background	E008	01/17/2025	Oxidation Reduction Potential	171	mV
07	Background	E008	01/17/2025	pH (field)	6.8	SU
07	Background	E008	01/17/2025	Radium 226 + Radium 228, total	1.07	pCi/L
07	Background	E008	01/17/2025	Selenium, total	0.0011 J	mg/L
07	Background	E008	01/17/2025	Specific Conductance @ 25C (field)	1,136	micromhos/cm
07	Background	E008	01/17/2025	Sulfate, total	62.0	mg/L
07	Background	E008	01/17/2025	Temperature	10.7	degrees C
07	Background	E008	01/17/2025	Thallium, total	0.00057 U	mg/L
07	Background	E008	01/17/2025	Total Dissolved Solids	630	mg/L
07	Background	E008	01/17/2025	Turbidity, field	3.93	NTU
08	Background	E008	01/17/2025	Antimony, total	0.0013 U	mg/L
08	Background	E008	01/17/2025	Arsenic, total	0.00023 U	mg/L
08	Background	E008	01/17/2025	Barium, total	0.100	mg/L
08	Background	E008	01/17/2025	Beryllium, total	0.00053 U	mg/L
08	Background	E008	01/17/2025	Boron, total	0.120 J+	mg/L
08	Background	E008	01/17/2025	Cadmium, total	0.00045 J	mg/L
08	Background	E008	01/17/2025	Calcium, total	180	mg/L
08	Background	E008	01/17/2025	Chloride, total	260	mg/L
08	Background	E008	01/17/2025	Chromium, total	0.0011 U	mg/L
08	Background	E008	01/17/2025	Cobalt, total	0.00270	mg/L
08	Background	E008	01/17/2025	Dissolved Oxygen	0.420	mg/L
08	Background	E008	01/17/2025	Fluoride, total	0.098 J	mg/L
08	Background	E008	01/17/2025	Lead, total	0.00029 J	mg/L
08	Background	E008	01/17/2025	Lithium, total	0.0160	mg/L
08	Background	E008	01/17/2025	Mercury, total	0.000076 U	mg/L
08	Background	E008	01/17/2025	Molybdenum, total	0.0025 U	mg/L
08	Background	E008	01/17/2025	Oxidation Reduction Potential	178	mV
08	Background	E008	01/17/2025	pH (field)	6.7	SU
08	Background	E008	01/17/2025	Radium 226 + Radium 228, total	0.791	pCi/L
08	Background	E008	01/17/2025	Selenium, total	0.00098 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
08	Background	E008	01/17/2025	Specific Conductance @ 25C (field)	2,036	micromhos/cm
08	Background	E008	01/17/2025	Sulfate, total	120	mg/L
08	Background	E008	01/17/2025	Temperature	12.6	degrees C
08	Background	E008	01/17/2025	Thallium, total	0.00057 U	mg/L
08	Background	E008	01/17/2025	Total Dissolved Solids	1,200	mg/L
08	Background	E008	01/17/2025	Turbidity, field	1.95	NTU
08D	Background	E008	01/14/2025	Antimony, total	0.0013 U	mg/L
08D	Background	E008	01/14/2025	Arsenic, total	0.00023 U	mg/L
08D	Background	E008	01/14/2025	Barium, total	0.0970	mg/L
08D	Background	E008	01/14/2025	Beryllium, total	0.00053 U	mg/L
08D	Background	E008	01/14/2025	Boron, total	0.110 J+	mg/L
08D	Background	E008	01/14/2025	Cadmium, total	0.00031 J	mg/L
08D	Background	E008	01/14/2025	Calcium, total	190	mg/L
08D	Background	E008	01/14/2025	Chloride, total	270	mg/L
08D	Background	E008	01/14/2025	Chromium, total	0.0011 U	mg/L
08D	Background	E008	01/14/2025	Cobalt, total	0.00140	mg/L
08D	Background	E008	01/14/2025	Dissolved Oxygen	0.190	mg/L
08D	Background	E008	01/14/2025	Fluoride, total	0.130	mg/L
08D	Background	E008	01/14/2025	Lead, total	0.00032 J	mg/L
08D	Background	E008	01/14/2025	Lithium, total	0.0140	mg/L
08D	Background	E008	01/14/2025	Mercury, total	0.000076 U	mg/L
08D	Background	E008	01/14/2025	Molybdenum, total	0.0025 U	mg/L
08D	Background	E008	01/14/2025	Oxidation Reduction Potential	155	mV
08D	Background	E008	01/14/2025	pH (field)	7.1	SU
08D	Background	E008	01/14/2025	Radium 226 + Radium 228, total	0.611	pCi/L
08D	Background	E008	01/14/2025	Selenium, total	0.00098 U	mg/L
08D	Background	E008	01/14/2025	Specific Conductance @ 25C (field)	2,097	micromhos/cm
08D	Background	E008	01/14/2025	Sulfate, total	160	mg/L
08D	Background	E008	01/14/2025	Temperature	11.8	degrees C
08D	Background	E008	01/14/2025	Thallium, total	0.00057 U	mg/L
08D	Background	E008	01/14/2025	Total Dissolved Solids	1,200	mg/L
08D	Background	E008	01/14/2025	Turbidity, field	2.39	NTU
03R	Compliance	E008	01/14/2025	Antimony, total	0.0013 U	mg/L
03R	Compliance	E008	01/14/2025	Arsenic, total	0.00037 J	mg/L
03R	Compliance	E008	01/14/2025	Barium, total	0.0600	mg/L
03R	Compliance	E008	01/14/2025	Beryllium, total	0.00053 U	mg/L
03R	Compliance	E008	01/14/2025	Boron, total	0.660 J+	mg/L
03R	Compliance	E008	01/14/2025	Cadmium, total	0.00017 U	mg/L
03R	Compliance	E008	01/14/2025	Calcium, total	89.0	mg/L
03R	Compliance	E008	01/14/2025	Chloride, total	75.0	mg/L
03R	Compliance	E008	01/14/2025	Chromium, total	0.0011 U	mg/L
03R	Compliance	E008	01/14/2025	Cobalt, total	0.0004 U	mg/L
03R	Compliance	E008	01/14/2025	Dissolved Oxygen	0.730	mg/L
03R	Compliance	E008	01/14/2025	Fluoride, total	0.300	mg/L
03R	Compliance	E008	01/14/2025	Lead, total	0.00019 U	mg/L
03R	Compliance	E008	01/14/2025	Lithium, total	0.0220	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
03R	Compliance	E008	01/14/2025	Mercury, total	0.000076 U	mg/L
03R	Compliance	E008	01/14/2025	Molybdenum, total	0.0880	mg/L
03R	Compliance	E008	01/14/2025	Oxidation Reduction Potential	28.4	mV
03R	Compliance	E008	01/14/2025	pH (field)	7.3	SU
03R	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	0.361	pCi/L
03R	Compliance	E008	01/14/2025	Selenium, total	0.00500	mg/L
03R	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	1,754	micromhos/cm
03R	Compliance	E008	01/14/2025	Sulfate, total	77.0	mg/L
03R	Compliance	E008	01/14/2025	Temperature	16.1	degrees C
03R	Compliance	E008	01/14/2025	Thallium, total	0.00057 U	mg/L
03R	Compliance	E008	01/14/2025	Total Dissolved Solids	470	mg/L
03R	Compliance	E008	01/14/2025	Turbidity, field	3.14	NTU
18S	Compliance	E008	01/14/2025	Antimony, total	0.0013 U	mg/L
18S	Compliance	E008	01/14/2025	Arsenic, total	0.00034 J	mg/L
18S	Compliance	E008	01/14/2025	Barium, total	0.0640	mg/L
18S	Compliance	E008	01/14/2025	Beryllium, total	0.00053 U	mg/L
18S	Compliance	E008	01/14/2025	Boron, total	1.20	mg/L
18S	Compliance	E008	01/14/2025	Cadmium, total	0.00039 J	mg/L
18S	Compliance	E008	01/14/2025	Calcium, total	100	mg/L
18S	Compliance	E008	01/14/2025	Chloride, total	77.0	mg/L
18S	Compliance	E008	01/14/2025	Chromium, total	0.00590	mg/L
18S	Compliance	E008	01/14/2025	Cobalt, total	0.00130	mg/L
18S	Compliance	E008	01/14/2025	Dissolved Oxygen	0.400	mg/L
18S	Compliance	E008	01/14/2025	Fluoride, total	0.180	mg/L
18S	Compliance	E008	01/14/2025	Lead, total	0.00029 J	mg/L
18S	Compliance	E008	01/14/2025	Lithium, total	0.0240	mg/L
18S	Compliance	E008	01/14/2025	Mercury, total	0.000076 U	mg/L
18S	Compliance	E008	01/14/2025	Molybdenum, total	0.0320	mg/L
18S	Compliance	E008	01/14/2025	Oxidation Reduction Potential	175	mV
18S	Compliance	E008	01/14/2025	pH (field)	7.4	SU
18S	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	0.167	pCi/L
18S	Compliance	E008	01/14/2025	Selenium, total	0.00098 U	mg/L
18S	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	928	micromhos/cm
18S	Compliance	E008	01/14/2025	Sulfate, total	110	mg/L
18S	Compliance	E008	01/14/2025	Temperature	15.0	degrees C
18S	Compliance	E008	01/14/2025	Thallium, total	0.00057 U	mg/L
18S	Compliance	E008	01/14/2025	Total Dissolved Solids	530	mg/L
18S	Compliance	E008	01/14/2025	Turbidity, field	3.50	NTU
18D	Compliance	E008	01/14/2025	Antimony, total	0.0013 U	mg/L
18D	Compliance	E008	01/14/2025	Arsenic, total	0.00049 J	mg/L
18D	Compliance	E008	01/14/2025	Barium, total	0.0550	mg/L
18D	Compliance	E008	01/14/2025	Beryllium, total	0.00053 U	mg/L
18D	Compliance	E008	01/14/2025	Boron, total	2.10	mg/L
18D	Compliance	E008	01/14/2025	Cadmium, total	0.00017 U	mg/L
18D	Compliance	E008	01/14/2025	Calcium, total	98.0	mg/L
18D	Compliance	E008	01/14/2025	Chloride, total	70.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
18D	Compliance	E008	01/14/2025	Chromium, total	0.0024 J	mg/L
18D	Compliance	E008	01/14/2025	Cobalt, total	0.0004 U	mg/L
18D	Compliance	E008	01/14/2025	Dissolved Oxygen	0.360	mg/L
18D	Compliance	E008	01/14/2025	Fluoride, total	0.210	mg/L
18D	Compliance	E008	01/14/2025	Lead, total	0.00019 U	mg/L
18D	Compliance	E008	01/14/2025	Lithium, total	0.0470	mg/L
18D	Compliance	E008	01/14/2025	Mercury, total	0.000076 U	mg/L
18D	Compliance	E008	01/14/2025	Molybdenum, total	0.150	mg/L
18D	Compliance	E008	01/14/2025	Oxidation Reduction Potential	186	mV
18D	Compliance	E008	01/14/2025	pH (field)	7.2	SU
18D	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	0.472	pCi/L
18D	Compliance	E008	01/14/2025	Selenium, total	0.0180	mg/L
18D	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	974	micromhos/cm
18D	Compliance	E008	01/14/2025	Sulfate, total	120	mg/L
18D	Compliance	E008	01/14/2025	Temperature	13.9	degrees C
18D	Compliance	E008	01/14/2025	Thallium, total	0.00057 U	mg/L
18D	Compliance	E008	01/14/2025	Total Dissolved Solids	540	mg/L
18D	Compliance	E008	01/14/2025	Turbidity, field	9.87	NTU
45S	Compliance	E008	01/14/2025	Antimony, total	0.0013 U	mg/L
45S	Compliance	E008	01/14/2025	Arsenic, total	0.00023 U	mg/L
45S	Compliance	E008	01/14/2025	Barium, total	0.0790	mg/L
45S	Compliance	E008	01/14/2025	Beryllium, total	0.00053 U	mg/L
45S	Compliance	E008	01/14/2025	Boron, total	0.360 J+	mg/L
45S	Compliance	E008	01/14/2025	Cadmium, total	0.00110	mg/L
45S	Compliance	E008	01/14/2025	Calcium, total	110	mg/L
45S	Compliance	E008	01/14/2025	Chloride, total	87.0	mg/L
45S	Compliance	E008	01/14/2025	Chromium, total	0.0011 U	mg/L
45S	Compliance	E008	01/14/2025	Cobalt, total	0.00180	mg/L
45S	Compliance	E008	01/14/2025	Dissolved Oxygen	0.730	mg/L
45S	Compliance	E008	01/14/2025	Fluoride, total	0.280	mg/L
45S	Compliance	E008	01/14/2025	Lead, total	0.00024 J	mg/L
45S	Compliance	E008	01/14/2025	Lithium, total	0.0140	mg/L
45S	Compliance	E008	01/14/2025	Mercury, total	0.000076 U	mg/L
45S	Compliance	E008	01/14/2025	Molybdenum, total	0.0470	mg/L
45S	Compliance	E008	01/14/2025	Oxidation Reduction Potential	58.0	mV
45S	Compliance	E008	01/14/2025	pH (field)	7.2	SU
45S	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	0.409	pCi/L
45S	Compliance	E008	01/14/2025	Selenium, total	0.00098 U	mg/L
45S	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	1,931	micromhos/cm
45S	Compliance	E008	01/14/2025	Sulfate, total	77.0	mg/L
45S	Compliance	E008	01/14/2025	Temperature	16.9	degrees C
45S	Compliance	E008	01/14/2025	Thallium, total	0.00057 U	mg/L
45S	Compliance	E008	01/14/2025	Total Dissolved Solids	530	mg/L
45S	Compliance	E008	01/14/2025	Turbidity, field	5.24	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Notes:

C = Celsius

cm = centimeter

Events:

E008 = Quarter 1, 2025 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = 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 = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

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.

SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
03R	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.006	Standard	No Exceedance
03R	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	100	All ND - Last	0.001	0.010	Standard	No Exceedance
03R	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CI around geomean	0.0618	2.0	Standard	No Exceedance
03R	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
03R	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	0.352	2	Standard	No Exceedance
03R	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	94	CB around T-S line	0.00059	0.005	Standard	No Exceedance
03R	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	36	0	CI around geomean	71.4	435	Background	No Exceedance
03R	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	30	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
03R	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	31	97	CI around median	0.001	0.0380	Background	No Exceedance
03R	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CI around median	0.27	4.0	Standard	No Exceedance
03R	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
03R	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0172	0.04	Standard	No Exceedance
03R	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
03R	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0647	0.1	Standard	No Exceedance
03R	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	39	0	CI around mean	7.2/7.3	6.5/9.0	Standard/Standard	No Exceedance
03R	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around median	0.28	5	Standard	No Exceedance
03R	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	32	6	CI around mean	0.00473	0.05	Standard	No Exceedance
03R	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	71	400	Standard	No Exceedance
03R	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
03R	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	36	0	CI around mean	512	1,620	Background	No Exceedance
18S	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.006	Standard	No Exceedance
18S	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	97	CI around median	0.001	0.010	Standard	No Exceedance
18S	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.051	2.0	Standard	No Exceedance
18S	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
18S	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	0.593	2	Standard	No Exceedance
18S	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	80	CB around T-S line	0.000562	0.005	Standard	No Exceedance
18S	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	36	0	CB around linear reg	68.4	435	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
18S	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	31	60	CB around T-S line	0.0015	0.1	Standard	No Exceedance
18S	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	31	83	CI around median	0.001	0.0380	Background	No Exceedance
18S	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CB around T-S line	0.17	4.0	Standard	No Exceedance
18S	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
18S	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0321	0.04	Standard	No Exceedance
18S	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
18S	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0659	0.1	Standard	No Exceedance
18S	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	39	0	CI around median	7.3/7.4	6.5/9.0	Standard/Standard	No Exceedance
18S	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around mean	0.347	5	Standard	No Exceedance
18S	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	32	6	CB around T-S line	-0.000318	0.05	Standard	No Exceedance
18S	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	84.4	400	Standard	No Exceedance
18S	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
18S	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	478	1,620	Background	No Exceedance
18D	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.006	Standard	No Exceedance
18D	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	97	CI around median	0.001	0.010	Standard	No Exceedance
18D	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around T-S line	0.0601	2.0	Standard	No Exceedance
18D	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
18D	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	1.15	2	Standard	No Exceedance
18D	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	94	CB around T-S line	0.000758	0.005	Standard	No Exceedance
18D	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	36	0	CI around mean	75.2	435	Background	No Exceedance
18D	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	30	94	CB around T-S line	0.00172	0.1	Standard	No Exceedance
18D	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	32	6	CB around linear reg	-0.000454	0.0380	Background	No Exceedance
18D	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CI around median	0.15	4.0	Standard	No Exceedance
18D	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	91	CB around T-S line	0.00083	0.0075	Standard	No Exceedance
18D	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	35	0	CB around T-S line	0.023	0.04	Standard	No Exceedance
18D	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
18D	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	35	0	CI around median	0.0315	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
 845 QUARTERLY REPORT
 HENNEPIN POWER PLANT
 ASH POND NO. 2 AND ASH POND NO. 4
 HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
18D	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	39	0	CI around median	7.2/7.2	6.5/9.0	Standard/Standard	No Exceedance
18D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around mean	0.57	5	Standard	No Exceedance
18D	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	31	91	CB around T-S line	0.001	0.05	Standard	No Exceedance
18D	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	36	0	CB around linear reg	87.4	400	Standard	No Exceedance
18D	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
18D	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	478	1,620	Background	No Exceedance
45S	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.006	Standard	No Exceedance
45S	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	93	CI around median	0.001	0.010	Standard	No Exceedance
45S	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.0781	2.0	Standard	No Exceedance
45S	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
45S	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	33	0	CB around linear reg	0.223	2	Standard	No Exceedance
45S	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	39	CB around linear reg	0.000588	0.005	Standard	No Exceedance
45S	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	33	0	CI around mean	81.4	435	Background	No Exceedance
45S	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	31	94	CB around T-S line	0.00175	0.1	Standard	No Exceedance
45S	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	32	12	CI around geomean	0.00144	0.0380	Background	No Exceedance
45S	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CB around T-S line	0.24	4.0	Standard	No Exceedance
45S	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	80	CI around median	0.001	0.0075	Standard	No Exceedance
45S	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.0108	0.04	Standard	No Exceedance
45S	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
45S	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.0387	0.1	Standard	No Exceedance
45S	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	33	0	CI around mean	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
45S	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around geomean	0.455	5	Standard	No Exceedance
45S	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	31	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
45S	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	33	0	CI around median	70	400	Standard	No Exceedance
45S	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
45S	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	33	0	CI around mean	527	1,620	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Notes:

Compliance Result:

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

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the Ash Pond No. 2 and Ash Pond No. 4. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = 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 = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

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

GWPS Source:

Background = background concentration

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

FIGURES

PROJECT: 169000XXXXX | DATED: 9/29/2021 | DESIGNER: STOLZSD
Y:\Mapping\Projects\22\2285MXD\845_Operating_Permit\Hennepin\GMP_802\Figure 2-1_Proposed Monitoring Well Network.mxd



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

0 200 400
Feet

MONITORING WELL LOCATION
MAP

ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN POWER PLANT
HENNEPIN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

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

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
03R	Compliance	01/13/2025	35.67	446.82
07	Background	01/13/2025	69.74	449.05
08	Background	01/13/2025	55.44	446.07
08D	Background	01/13/2025	55.75	446.02
18S	Compliance	01/13/2025	42.30	445.68
18D	Compliance	01/13/2025	42.52	445.52
45S	Compliance	01/13/2025	21.92	445.77

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation 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 not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Voelker
Vistra Energy Corp
133 S 4th, Suite 206
Springfield, Illinois 62701
Generated 02/27/25 12:22:42 Revision 1

JOB DESCRIPTION

HEN-25Q1
HEN_845_802-805

JOB NUMBER

500-262718-5

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



Authorized for release by
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02/27/25 12:22:42
Revision 1

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
IN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

Client: Vistra Energy Corp
Project: HEN-25Q1

Job ID: 500-262718-5

Job ID: 500-262718-5

Eurofins Chicago

Job Narrative 500-262718-5

Revision

The report being provided is a revision of the original report dated 2/4/2025. The report (revision 1) is being revised due to: Sample bottles for the following samples were inadvertently switched during login: 18#S (500-262718-5) and 18&D (500-262718-6). Sample 18&D has been updated from #5 to #6. Sample 18#S has been updated from #6 to #5.

Receipt

The samples were received on 01/15/25 12:16. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 0.1° C, 1.2° C, 1.9° C, 2.2° C, 2.2° C, 2.6° C, 2.8° C, 3.2° C, 3.9° C, 4.5° C, 4.8° C and 5.7° C.

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 500-803167 contained Alkalinity 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 SM 2320B: The method blank for analytical batch 500-803603 contained Alkalinity 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: FB (500-262718-39), Field Blank ID had detection for Alkalinity above MDL but less than RL. Alkalinity is also >10% TDS result. Sample was rerun with confirming data. FB (500-262718-39)

Method 300.0: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-803354 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300.0: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-803788 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300.0: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-803813 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Eurofins Chicago

Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 03R

Lab Sample ID: 500-262718-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.022		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00037	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.060		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.66		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	89		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	27		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.088		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	9.0		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0050		0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	49		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	75		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	77		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	250	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	470		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.30		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	36.70				ft	1		Field Sampling	Total/NA
Field pH	7.33				SU	1		Field Sampling	Total/NA
Field Temperature	16.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	28.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.73				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1754				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.14				NTU	1		Field Sampling	Total/NA

Client Sample ID: 03R_FD

Lab Sample ID: 500-262718-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.021		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.00033	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.058		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.68	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	91		0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	27		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.089		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	9.0		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0045		0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	49		0.20	0.077	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-25Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 03R_FD (Continued)

Lab Sample ID: 500-262718-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	73		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	75		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	250	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	460		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.31		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	36.70				ft	1		Field Sampling	Total/NA
Field pH	7.33				SU	1		Field Sampling	Total/NA
Field Temperature	16.1				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	28.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.73				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1754				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.14				NTU	1		Field Sampling	Total/NA

Client Sample ID: 08&D

Lab Sample ID: 500-262718-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.097		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.11	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00031	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	190		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0014		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00032	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	55		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	3.7		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	240		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	270		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	160		10	4.7	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	450	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1200		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.13		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	55.85				ft	1		Field Sampling	Total/NA
Field pH	7.11				SU	1		Field Sampling	Total/NA
Field Temperature	11.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	154.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.19				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2097				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.39				NTU	1		Field Sampling	Total/NA

Client Sample ID: 18#S

Lab Sample ID: 500-262718-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.047		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 18#S (Continued)

Lab Sample ID: 500-262718-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00049	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.055		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	2.1	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	98		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0024	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Magnesium	25		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.15		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	10		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.018		0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	51		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	70		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	120		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	220	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	540		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.21		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	42.11				ft	1		Field Sampling	Total/NA
Field pH	7.41				SU	1		Field Sampling	Total/NA
Field Temperature	15.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	175.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.40				mg/L	1		Field Sampling	Total/NA
Specific Conductance	928				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.50				NTU	1		Field Sampling	Total/NA

Client Sample ID: 18&D

Lab Sample ID: 500-262718-6

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	0.00034	J	0.0010	0.00023	mg/L	1		6020B	Total Recoverable
Barium	0.064		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	1.2	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00039	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	100		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0059		0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.0013		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00029	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	30		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-25Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 18&D (Continued)

Lab Sample ID: 500-262718-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	0.032		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	8.8		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	53		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	77		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	110		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	270	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	530		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.18		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	42.55				ft	1		Field Sampling	Total/NA
Field pH	7.18				SU	1		Field Sampling	Total/NA
Field Temperature	13.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	185.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.36				mg/L	1		Field Sampling	Total/NA
Specific Conductance	974				umhos/cm	1		Field Sampling	Total/NA
Turbidity	9.87				NTU	1		Field Sampling	Total/NA

Client Sample ID: 45#S

Lab Sample ID: 500-262718-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.079		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.36	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.0011		0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	110		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0018		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00024	J	0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	34		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.047		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	6.5		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	61		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	87		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	77		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	310	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	530		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.28		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	21.91				ft	1		Field Sampling	Total/NA
Field pH	7.17				SU	1		Field Sampling	Total/NA
Field Temperature	16.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	58.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.73				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1931				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-25Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 45#S (Continued)

Lab Sample ID: 500-262718-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	5.24				NTU	1		Field Sampling	Total/NA

Client Sample ID: 07

Lab Sample ID: 500-262718-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0098		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.092		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.070	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0026		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	42		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.0		0.50	0.11	mg/L	1		6020B	Total Recoverable
Selenium	0.0011	J	0.0025	0.00098	mg/L	1		6020B	Total Recoverable
Sodium	31		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	60		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	62		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	380	B	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	0.13		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	69.68				ft	1		Field Sampling	Total/NA
Field pH	6.81				SU	1		Field Sampling	Total/NA
Field Temperature	10.7				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	171.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.57				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1136				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.93				NTU	1		Field Sampling	Total/NA

Client Sample ID: 08

Lab Sample ID: 500-262718-34

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 Recoverable
Barium	0.10		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.12	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Cadmium	0.00045	J	0.00050	0.00017	mg/L	1		6020B	Total Recoverable
Calcium	180		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0027		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00029	J	0.00050	0.00019	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-25Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 08 (Continued)

Lab Sample ID: 500-262718-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	48		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	7.8		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	130		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	260		10	4.2	mg/L	10		300.0	Total/NA
Sulfate	120		1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	470	B	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1200		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.098	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	52.24				ft	1		Field Sampling	Total/NA
Field pH	6.71				SU	1		Field Sampling	Total/NA
Field Temperature	12.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	178.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.42				mg/L	1		Field Sampling	Total/NA
Specific Conductance	2036				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.95				NTU	1		Field Sampling	Total/NA

Client Sample ID: FB

Lab Sample ID: 500-262718-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.090	B	0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	0.067	J	0.20	0.044	mg/L	1		6020B	Total Recoverable
Magnesium	0.071	J	0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	0.15	J	0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	1.8		0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	1.0		1.0	0.42	mg/L	1		300.0	Total/NA
Sulfate	0.96	J	1.0	0.47	mg/L	1		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	4.2	J	5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	6.0	J	10	4.3	mg/L	1		SM 2540C	Total/NA

Client Sample ID: YSG_ILRIVER (SG02)

Lab Sample ID: 500-262718-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	27.55				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-25Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
HEN-25-802-805
SDG: HEN_845_802-805

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

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-262718-2	03R	Water	01/14/25 09:15	01/15/25 12:16
500-262718-3	03R_FD	Water	01/14/25 09:20	01/15/25 12:16
500-262718-4	08&D	Water	01/14/25 13:45	01/15/25 12:16
500-262718-5	18#S	Water	01/14/25 12:10	01/15/25 12:16
500-262718-6	18&D	Water	01/14/25 10:41	01/15/25 12:16
500-262718-8	45#S	Water	01/14/25 14:10	01/15/25 12:16
500-262718-33	07	Water	01/17/25 07:10	01/17/25 14:00
500-262718-34	08	Water	01/17/25 08:10	01/17/25 14:00
500-262718-39	FB	Water	01/17/25 10:00	01/17/25 14:00
500-262718-49	YSG_ILRIVER (SG02)	Water	01/13/25 10:15	01/15/25 12:16

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 03R

Lab Sample ID: 500-262718-2

Date Collected: 01/14/25 09:15

Matrix: Water

Date Received: 01/15/25 12:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.022		0.0050	0.0020	mg/L		01/21/25 15:59	01/22/25 19:41	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		01/16/25 08:24	01/16/25 18:52	1
Arsenic	0.00037	J	0.0010	0.00023	mg/L		01/16/25 08:24	01/16/25 18:52	1
Barium	0.060		0.0025	0.00073	mg/L		01/16/25 08:24	01/16/25 18:52	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/16/25 18:52	1
Boron	0.66		0.050	0.013	mg/L		01/16/25 08:24	01/16/25 18:52	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/16/25 08:24	01/16/25 18:52	1
Calcium	89		0.20	0.044	mg/L		01/16/25 08:24	01/16/25 18:52	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/16/25 08:24	01/16/25 18:52	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/16/25 08:24	01/16/25 18:52	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/16/25 08:24	01/16/25 18:52	1
Magnesium	27		0.20	0.049	mg/L		01/16/25 08:24	01/16/25 18:52	1
Molybdenum	0.088		0.0050	0.0025	mg/L		01/16/25 08:24	01/16/25 18:52	1
Potassium	9.0		0.50	0.11	mg/L		01/16/25 08:24	01/16/25 18:52	1
Selenium	0.0050		0.0025	0.00098	mg/L		01/16/25 08:24	01/16/25 18:52	1
Sodium	49		0.20	0.077	mg/L		01/16/25 08:24	01/16/25 18:52	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/16/25 18:52	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		01/22/25 10:35	01/23/25 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	75		1.0	0.42	mg/L			01/18/25 11:06	1
Sulfate (EPA 300.0)	77		1.0	0.47	mg/L			01/18/25 11:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250	B	5.0	3.7	mg/L			01/16/25 11:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/16/25 11:37	1
Total Dissolved Solids (SM 2540C)	470		10	4.3	mg/L			01/16/25 00:40	1
Fluoride (SM 4500 F C)	0.30		0.10	0.056	mg/L			01/16/25 15:18	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	36.70				ft			01/14/25 09:15	1
Field pH	7.33				SU			01/14/25 09:15	1
Field Temperature	16.1				Degrees C			01/14/25 09:15	1
Oxidation Reduction Potential	28.4				millivolts			01/14/25 09:15	1
Oxygen, Dissolved	0.73				mg/L			01/14/25 09:15	1
Specific Conductance	1754				umhos/cm			01/14/25 09:15	1
Turbidity	3.14				NTU			01/14/25 09:15	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 03R_FD

Lab Sample ID: 500-262718-3

Date Collected: 01/14/25 09:20

Matrix: Water

Date Received: 01/15/25 12:16

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		0.0050	0.0020	mg/L		01/21/25 15:59	01/22/25 19:46	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		01/16/25 08:24	01/17/25 14:04	1
Arsenic	0.00033	J	0.0010	0.00023	mg/L		01/16/25 08:24	01/17/25 14:04	1
Barium	0.058		0.0025	0.00073	mg/L		01/16/25 08:24	01/17/25 14:04	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/17/25 14:04	1
Boron	0.68	B	0.050	0.013	mg/L		01/16/25 08:24	01/17/25 14:04	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/16/25 08:24	01/17/25 14:04	1
Calcium	91		0.20	0.044	mg/L		01/16/25 08:24	01/17/25 14:04	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/16/25 08:24	01/17/25 14:04	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/16/25 08:24	01/17/25 14:04	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/16/25 08:24	01/17/25 14:04	1
Magnesium	27		0.20	0.049	mg/L		01/16/25 08:24	01/17/25 14:04	1
Molybdenum	0.089		0.0050	0.0025	mg/L		01/16/25 08:24	01/17/25 14:04	1
Potassium	9.0		0.50	0.11	mg/L		01/16/25 08:24	01/17/25 14:04	1
Selenium	0.0045		0.0025	0.00098	mg/L		01/16/25 08:24	01/17/25 14:04	1
Sodium	49		0.20	0.077	mg/L		01/16/25 08:24	01/17/25 14:04	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/17/25 14:04	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		01/22/25 10:35	01/23/25 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	73		1.0	0.42	mg/L			01/18/25 11:36	1
Sulfate (EPA 300.0)	75		1.0	0.47	mg/L			01/18/25 11:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250	B	5.0	3.7	mg/L			01/16/25 11:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/16/25 11:47	1
Total Dissolved Solids (SM 2540C)	460		10	4.3	mg/L			01/16/25 00:43	1
Fluoride (SM 4500 F C)	0.31		0.10	0.056	mg/L			01/16/25 15:32	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	36.70				ft			01/14/25 09:20	1
Field pH	7.33				SU			01/14/25 09:20	1
Field Temperature	16.1				Degrees C			01/14/25 09:20	1
Oxidation Reduction Potential	28.4				millivolts			01/14/25 09:20	1
Oxygen, Dissolved	0.73				mg/L			01/14/25 09:20	1
Specific Conductance	1754				umhos/cm			01/14/25 09:20	1
Turbidity	3.14				NTU			01/14/25 09:20	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 08&D

Lab Sample ID: 500-262718-4

Date Collected: 01/14/25 13:45

Matrix: Water

Date Received: 01/15/25 12:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.0050	0.0020	mg/L		01/21/25 15:59	01/22/25 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		01/16/25 08:24	01/17/25 14:12	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/16/25 08:24	01/17/25 14:12	1
Barium	0.097		0.0025	0.00073	mg/L		01/16/25 08:24	01/17/25 14:12	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/17/25 14:12	1
Boron	0.11	B	0.050	0.013	mg/L		01/16/25 08:24	01/17/25 14:12	1
Cadmium	0.00031	J	0.00050	0.00017	mg/L		01/16/25 08:24	01/17/25 14:12	1
Calcium	190		0.20	0.044	mg/L		01/16/25 08:24	01/17/25 14:12	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/16/25 08:24	01/17/25 14:12	1
Cobalt	0.0014		0.0010	0.00040	mg/L		01/16/25 08:24	01/17/25 14:12	1
Lead	0.00032	J	0.00050	0.00019	mg/L		01/16/25 08:24	01/17/25 14:12	1
Magnesium	55		0.20	0.049	mg/L		01/16/25 08:24	01/17/25 14:12	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/16/25 08:24	01/17/25 14:12	1
Potassium	3.7		0.50	0.11	mg/L		01/16/25 08:24	01/17/25 14:12	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/16/25 08:24	01/17/25 14:12	1
Sodium	240		0.20	0.077	mg/L		01/16/25 08:24	01/17/25 14:12	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/17/25 14:12	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		01/22/25 10:35	01/23/25 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	270		10	4.2	mg/L			01/18/25 12:37	10
Sulfate (EPA 300.0)	160		10	4.7	mg/L			01/18/25 12:37	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	450	B	5.0	3.7	mg/L			01/16/25 11:56	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/16/25 11:56	1
Total Dissolved Solids (SM 2540C)	1200		10	4.3	mg/L			01/16/25 00:45	1
Fluoride (SM 4500 F C)	0.13		0.10	0.056	mg/L			01/16/25 15:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	55.85				ft			01/14/25 13:45	1
Field pH	7.11				SU			01/14/25 13:45	1
Field Temperature	11.8				Degrees C			01/14/25 13:45	1
Oxidation Reduction Potential	154.8				millivolts			01/14/25 13:45	1
Oxygen, Dissolved	0.19				mg/L			01/14/25 13:45	1
Specific Conductance	2097				umhos/cm			01/14/25 13:45	1
Turbidity	2.39				NTU			01/14/25 13:45	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 18#S

Lab Sample ID: 500-262718-5

Date Collected: 01/14/25 12:10

Matrix: Water

Date Received: 01/15/25 12:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.047		0.0050	0.0020	mg/L		01/21/25 15:59	01/22/25 20:04	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		01/16/25 08:24	01/17/25 14:15	1
Arsenic	0.00049	J	0.0010	0.00023	mg/L		01/16/25 08:24	01/17/25 14:15	1
Barium	0.055		0.0025	0.00073	mg/L		01/16/25 08:24	01/17/25 14:15	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/17/25 14:15	1
Boron	2.1	B	0.050	0.013	mg/L		01/16/25 08:24	01/17/25 14:15	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/16/25 08:24	01/17/25 14:15	1
Calcium	98		0.20	0.044	mg/L		01/16/25 08:24	01/17/25 14:15	1
Chromium	0.0024	J	0.0050	0.0011	mg/L		01/16/25 08:24	01/17/25 14:15	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/16/25 08:24	01/17/25 14:15	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/16/25 08:24	01/17/25 14:15	1
Magnesium	25		0.20	0.049	mg/L		01/16/25 08:24	01/17/25 14:15	1
Molybdenum	0.15		0.0050	0.0025	mg/L		01/16/25 08:24	01/17/25 14:15	1
Potassium	10		0.50	0.11	mg/L		01/16/25 08:24	01/17/25 14:15	1
Selenium	0.018		0.0025	0.00098	mg/L		01/16/25 08:24	01/17/25 14:15	1
Sodium	51		0.20	0.077	mg/L		01/16/25 08:24	01/17/25 14:15	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/17/25 14:15	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		01/22/25 10:35	01/23/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	70		1.0	0.42	mg/L			01/18/25 13:08	1
Sulfate (EPA 300.0)	120		1.0	0.47	mg/L			01/18/25 13:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220	B	5.0	3.7	mg/L			01/16/25 12:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/16/25 12:06	1
Total Dissolved Solids (SM 2540C)	540		10	4.3	mg/L			01/16/25 00:48	1
Fluoride (SM 4500 F C)	0.21		0.10	0.056	mg/L			01/16/25 15:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	42.11				ft			01/14/25 12:10	1
Field pH	7.41				SU			01/14/25 12:10	1
Field Temperature	15.0				Degrees C			01/14/25 12:10	1
Oxidation Reduction Potential	175.4				millivolts			01/14/25 12:10	1
Oxygen, Dissolved	0.40				mg/L			01/14/25 12:10	1
Specific Conductance	928				umhos/cm			01/14/25 12:10	1
Turbidity	3.50				NTU			01/14/25 12:10	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 18&D

Lab Sample ID: 500-262718-6

Date Collected: 01/14/25 10:41

Matrix: Water

Date Received: 01/15/25 12:16

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		01/21/25 15:59	01/22/25 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		01/16/25 08:24	01/17/25 14:17	1
Arsenic	0.00034	J	0.0010	0.00023	mg/L		01/16/25 08:24	01/17/25 14:17	1
Barium	0.064		0.0025	0.00073	mg/L		01/16/25 08:24	01/17/25 14:17	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/17/25 14:17	1
Boron	1.2	B	0.050	0.013	mg/L		01/16/25 08:24	01/17/25 14:17	1
Cadmium	0.00039	J	0.00050	0.00017	mg/L		01/16/25 08:24	01/17/25 14:17	1
Calcium	100		0.20	0.044	mg/L		01/16/25 08:24	01/17/25 14:17	1
Chromium	0.0059		0.0050	0.0011	mg/L		01/16/25 08:24	01/17/25 14:17	1
Cobalt	0.0013		0.0010	0.00040	mg/L		01/16/25 08:24	01/17/25 14:17	1
Lead	0.00029	J	0.00050	0.00019	mg/L		01/16/25 08:24	01/17/25 14:17	1
Magnesium	30		0.20	0.049	mg/L		01/16/25 08:24	01/17/25 14:17	1
Molybdenum	0.032		0.0050	0.0025	mg/L		01/16/25 08:24	01/17/25 14:17	1
Potassium	8.8		0.50	0.11	mg/L		01/16/25 08:24	01/17/25 14:17	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/16/25 08:24	01/17/25 14:17	1
Sodium	53		0.20	0.077	mg/L		01/16/25 08:24	01/17/25 14:17	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/17/25 14:17	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		01/22/25 10:35	01/23/25 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	77		1.0	0.42	mg/L			01/18/25 13:23	1
Sulfate (EPA 300.0)	110		1.0	0.47	mg/L			01/18/25 13:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270	B	5.0	3.7	mg/L			01/16/25 12:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/16/25 12:15	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			01/16/25 00:50	1
Fluoride (SM 4500 F C)	0.18		0.10	0.056	mg/L			01/16/25 15:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	42.55				ft			01/14/25 10:41	1
Field pH	7.18				SU			01/14/25 10:41	1
Field Temperature	13.9				Degrees C			01/14/25 10:41	1
Oxidation Reduction Potential	185.7				millivolts			01/14/25 10:41	1
Oxygen, Dissolved	0.36				mg/L			01/14/25 10:41	1
Specific Conductance	974				umhos/cm			01/14/25 10:41	1
Turbidity	9.87				NTU			01/14/25 10:41	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 45#S

Lab Sample ID: 500-262718-8

Date Collected: 01/14/25 14:10

Matrix: Water

Date Received: 01/15/25 12:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.0050	0.0020	mg/L		01/21/25 15:59	01/22/25 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		01/16/25 08:24	01/17/25 14:23	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/16/25 08:24	01/17/25 14:23	1
Barium	0.079		0.0025	0.00073	mg/L		01/16/25 08:24	01/17/25 14:23	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/17/25 14:23	1
Boron	0.36	B	0.050	0.013	mg/L		01/16/25 08:24	01/17/25 14:23	1
Cadmium	0.0011		0.00050	0.00017	mg/L		01/16/25 08:24	01/17/25 14:23	1
Calcium	110		0.20	0.044	mg/L		01/16/25 08:24	01/17/25 14:23	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/16/25 08:24	01/17/25 14:23	1
Cobalt	0.0018		0.0010	0.00040	mg/L		01/16/25 08:24	01/17/25 14:23	1
Lead	0.00024	J	0.00050	0.00019	mg/L		01/16/25 08:24	01/17/25 14:23	1
Magnesium	34		0.20	0.049	mg/L		01/16/25 08:24	01/17/25 14:23	1
Molybdenum	0.047		0.0050	0.0025	mg/L		01/16/25 08:24	01/17/25 14:23	1
Potassium	6.5		0.50	0.11	mg/L		01/16/25 08:24	01/17/25 14:23	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/16/25 08:24	01/17/25 14:23	1
Sodium	61		0.20	0.077	mg/L		01/16/25 08:24	01/17/25 14:23	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/17/25 14:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		01/22/25 10:35	01/23/25 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	87		1.0	0.42	mg/L			01/18/25 14:24	1
Sulfate (EPA 300.0)	77		1.0	0.47	mg/L			01/18/25 14:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	310	B	5.0	3.7	mg/L			01/16/25 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/16/25 12:35	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			01/16/25 00:55	1
Fluoride (SM 4500 F C)	0.28		0.10	0.056	mg/L			01/16/25 16:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	21.91				ft			01/14/25 14:10	1
Field pH	7.17				SU			01/14/25 14:10	1
Field Temperature	16.9				Degrees C			01/14/25 14:10	1
Oxidation Reduction Potential	58.0				millivolts			01/14/25 14:10	1
Oxygen, Dissolved	0.73				mg/L			01/14/25 14:10	1
Specific Conductance	1931				umhos/cm			01/14/25 14:10	1
Turbidity	5.24				NTU			01/14/25 14:10	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 07

Lab Sample ID: 500-262718-33

Date Collected: 01/17/25 07:10

Matrix: Water

Date Received: 01/17/25 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0098		0.0050	0.0020	mg/L		01/21/25 16:06	01/22/25 13:03	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		01/21/25 16:22	01/22/25 16:06	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/21/25 16:22	01/22/25 16:06	1
Barium	0.092		0.0025	0.00073	mg/L		01/21/25 16:22	01/22/25 16:06	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/21/25 16:22	01/22/25 16:06	1
Boron	0.070	B	0.050	0.013	mg/L		01/21/25 16:22	01/23/25 17:22	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/21/25 16:22	01/22/25 16:06	1
Calcium	130		0.20	0.044	mg/L		01/21/25 16:22	01/24/25 12:26	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/21/25 16:22	01/22/25 16:06	1
Cobalt	0.0026		0.0010	0.00040	mg/L		01/21/25 16:22	01/22/25 16:06	1
Lead	0.00020	J	0.00050	0.00019	mg/L		01/21/25 16:22	01/22/25 16:06	1
Magnesium	42		0.20	0.049	mg/L		01/21/25 16:22	01/22/25 16:06	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/21/25 16:22	01/22/25 16:06	1
Potassium	2.0		0.50	0.11	mg/L		01/21/25 16:22	01/22/25 16:06	1
Selenium	0.0011	J	0.0025	0.00098	mg/L		01/21/25 16:22	01/22/25 16:06	1
Sodium	31		0.20	0.077	mg/L		01/21/25 16:22	01/22/25 16:06	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/21/25 16:22	01/22/25 16:06	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		01/27/25 13:20	01/28/25 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	60		1.0	0.42	mg/L			01/22/25 22:32	1
Sulfate (EPA 300.0)	62		1.0	0.47	mg/L			01/22/25 22:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380	B	5.0	3.7	mg/L			01/20/25 18:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/20/25 18:08	1
Total Dissolved Solids (SM 2540C)	630		10	4.3	mg/L			01/21/25 00:35	1
Fluoride (SM 4500 F C)	0.13		0.10	0.056	mg/L			01/21/25 16:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	69.68				ft			01/17/25 07:10	1
Field pH	6.81				SU			01/17/25 07:10	1
Field Temperature	10.7				Degrees C			01/17/25 07:10	1
Oxidation Reduction Potential	171.4				millivolts			01/17/25 07:10	1
Oxygen, Dissolved	5.57				mg/L			01/17/25 07:10	1
Specific Conductance	1136				umhos/cm			01/17/25 07:10	1
Turbidity	3.93				NTU			01/17/25 07:10	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 08

Lab Sample ID: 500-262718-34

Date Collected: 01/17/25 08:10

Matrix: Water

Date Received: 01/17/25 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.016		0.0050	0.0020	mg/L		01/21/25 16:06	01/22/25 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		01/21/25 16:22	01/22/25 16:08	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/21/25 16:22	01/22/25 16:08	1
Barium	0.10		0.0025	0.00073	mg/L		01/21/25 16:22	01/22/25 16:08	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/21/25 16:22	01/22/25 16:08	1
Boron	0.12	B	0.050	0.013	mg/L		01/21/25 16:22	01/23/25 17:25	1
Cadmium	0.00045	J	0.00050	0.00017	mg/L		01/21/25 16:22	01/22/25 16:08	1
Calcium	180		0.20	0.044	mg/L		01/21/25 16:22	01/24/25 12:30	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/21/25 16:22	01/22/25 16:08	1
Cobalt	0.0027		0.0010	0.00040	mg/L		01/21/25 16:22	01/22/25 16:08	1
Lead	0.00029	J	0.00050	0.00019	mg/L		01/21/25 16:22	01/22/25 16:08	1
Magnesium	48		0.20	0.049	mg/L		01/21/25 16:22	01/22/25 16:08	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/21/25 16:22	01/22/25 16:08	1
Potassium	7.8		0.50	0.11	mg/L		01/21/25 16:22	01/22/25 16:08	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/21/25 16:22	01/22/25 16:08	1
Sodium	130		0.20	0.077	mg/L		01/21/25 16:22	01/22/25 16:08	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/21/25 16:22	01/22/25 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		01/27/25 13:20	01/28/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	260		10	4.2	mg/L			01/25/25 22:51	10
Sulfate (EPA 300.0)	120		1.0	0.47	mg/L			01/22/25 23:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	470	B	5.0	3.7	mg/L			01/20/25 18:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/20/25 18:18	1
Total Dissolved Solids (SM 2540C)	1200		10	4.3	mg/L			01/21/25 00:38	1
Fluoride (SM 4500 F C)	0.098	J	0.10	0.056	mg/L			01/21/25 16:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	52.24				ft			01/17/25 08:10	1
Field pH	6.71				SU			01/17/25 08:10	1
Field Temperature	12.6				Degrees C			01/17/25 08:10	1
Oxidation Reduction Potential	178.0				millivolts			01/17/25 08:10	1
Oxygen, Dissolved	0.42				mg/L			01/17/25 08:10	1
Specific Conductance	2036				umhos/cm			01/17/25 08:10	1
Turbidity	1.95				NTU			01/17/25 08:10	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
HEN-25Q1-2025
SDG: HEN_845_802-805

Client Sample ID: FB

Lab Sample ID: 500-262718-39

Date Collected: 01/17/25 10:00

Matrix: Water

Date Received: 01/17/25 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		01/21/25 16:06	01/22/25 13:26	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		01/21/25 16:22	01/22/25 16:26	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/21/25 16:22	01/22/25 16:26	1
Barium	<0.0025		0.0025	0.00073	mg/L		01/21/25 16:22	01/22/25 16:26	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/21/25 16:22	01/22/25 16:26	1
Boron	0.090	B	0.050	0.013	mg/L		01/21/25 16:22	01/23/25 17:41	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/21/25 16:22	01/22/25 16:26	1
Calcium	0.067	J	0.20	0.044	mg/L		01/21/25 16:22	01/24/25 12:56	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/21/25 16:22	01/22/25 16:26	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/21/25 16:22	01/22/25 16:26	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/21/25 16:22	01/22/25 16:26	1
Magnesium	0.071	J	0.20	0.049	mg/L		01/21/25 16:22	01/22/25 16:26	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/21/25 16:22	01/22/25 16:26	1
Potassium	0.15	J	0.50	0.11	mg/L		01/21/25 16:22	01/22/25 16:26	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/21/25 16:22	01/22/25 16:26	1
Sodium	1.8		0.20	0.077	mg/L		01/21/25 16:22	01/22/25 16:26	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/21/25 16:22	01/22/25 16:26	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		01/27/25 13:20	01/28/25 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	1.0		1.0	0.42	mg/L			01/23/25 04:08	1
Sulfate (EPA 300.0)	0.96	J	1.0	0.47	mg/L			01/23/25 04:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	4.2	J	5.0	3.7	mg/L			01/29/25 11:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			01/29/25 11:58	1
Total Dissolved Solids (SM 2540C)	6.0	J	10	4.3	mg/L			01/21/25 00:56	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			01/21/25 17:22	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
HEN_845_802-805
SDG: HEN_845_802-805

Client Sample ID: YSG_ILRIVER (SG02)

Lab Sample ID: 500-262718-49

Date Collected: 01/13/25 10:15

Matrix: Water

Date Received: 01/15/25 12:16

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	27.55				ft			01/13/25 10:15	1

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
HEN-25-802-805
SDG: HEN_845_802-805

Qualifiers

Metals

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.

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

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Metals

Prep Batch: 803096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total Recoverable	Water	3005A	
500-262718-3	03R_FD	Total Recoverable	Water	3005A	
500-262718-4	08&D	Total Recoverable	Water	3005A	
500-262718-5	18#S	Total Recoverable	Water	3005A	
500-262718-6	18&D	Total Recoverable	Water	3005A	
500-262718-8	45#S	Total Recoverable	Water	3005A	
MB 500-803096/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-803096/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 803248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total Recoverable	Water	6020B	803096

Analysis Batch: 803443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-3	03R_FD	Total Recoverable	Water	6020B	803096
500-262718-4	08&D	Total Recoverable	Water	6020B	803096
500-262718-5	18#S	Total Recoverable	Water	6020B	803096
500-262718-6	18&D	Total Recoverable	Water	6020B	803096
500-262718-8	45#S	Total Recoverable	Water	6020B	803096
MB 500-803096/1-A	Method Blank	Total Recoverable	Water	6020B	803096
LCS 500-803096/2-A	Lab Control Sample	Total Recoverable	Water	6020B	803096

Prep Batch: 803709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total Recoverable	Water	200.7	
500-262718-3	03R_FD	Total Recoverable	Water	200.7	
500-262718-4	08&D	Total Recoverable	Water	200.7	
500-262718-5	18#S	Total Recoverable	Water	200.7	
500-262718-6	18&D	Total Recoverable	Water	200.7	
500-262718-8	45#S	Total Recoverable	Water	200.7	
MB 500-803709/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-803709/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 803710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total Recoverable	Water	200.7	
500-262718-34	08	Total Recoverable	Water	200.7	
500-262718-39	FB	Total Recoverable	Water	200.7	
MB 500-803710/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-803710/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-262718-39 MS	FB	Total Recoverable	Water	200.7	
500-262718-39 DU	FB	Total Recoverable	Water	200.7	

Prep Batch: 803714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total Recoverable	Water	3005A	
500-262718-34	08	Total Recoverable	Water	3005A	
500-262718-39	FB	Total Recoverable	Water	3005A	
MB 500-803714/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-803714/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins Chicago

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
HEN_845_802-805
SDG: HEN_845_802-805

Metals

Prep Batch: 803802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	7470A	
500-262718-3	03R_FD	Total/NA	Water	7470A	
500-262718-4	08&D	Total/NA	Water	7470A	
500-262718-5	18#S	Total/NA	Water	7470A	
500-262718-6	18&D	Total/NA	Water	7470A	
500-262718-8	45#S	Total/NA	Water	7470A	
MB 500-803802/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-803802/13-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 500-803802/33-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 803900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total Recoverable	Water	200.7 Rev 4.4	803709
500-262718-3	03R_FD	Total Recoverable	Water	200.7 Rev 4.4	803709
500-262718-4	08&D	Total Recoverable	Water	200.7 Rev 4.4	803709
500-262718-5	18#S	Total Recoverable	Water	200.7 Rev 4.4	803709
500-262718-6	18&D	Total Recoverable	Water	200.7 Rev 4.4	803709
500-262718-8	45#S	Total Recoverable	Water	200.7 Rev 4.4	803709
500-262718-33	07	Total Recoverable	Water	200.7 Rev 4.4	803710
500-262718-34	08	Total Recoverable	Water	200.7 Rev 4.4	803710
500-262718-39	FB	Total Recoverable	Water	200.7 Rev 4.4	803710
MB 500-803709/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	803709
MB 500-803710/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	803710
LCS 500-803709/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	803709
LCS 500-803710/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	803710
500-262718-39 MS	FB	Total Recoverable	Water	200.7 Rev 4.4	803710
500-262718-39 DU	FB	Total Recoverable	Water	200.7 Rev 4.4	803710

Analysis Batch: 803914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total Recoverable	Water	6020B	803714
500-262718-34	08	Total Recoverable	Water	6020B	803714
500-262718-39	FB	Total Recoverable	Water	6020B	803714
MB 500-803714/1-A	Method Blank	Total Recoverable	Water	6020B	803714
LCS 500-803714/2-A	Lab Control Sample	Total Recoverable	Water	6020B	803714

Analysis Batch: 803959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	7470A	803802
500-262718-3	03R_FD	Total/NA	Water	7470A	803802
500-262718-4	08&D	Total/NA	Water	7470A	803802
500-262718-5	18#S	Total/NA	Water	7470A	803802
500-262718-6	18&D	Total/NA	Water	7470A	803802
500-262718-8	45#S	Total/NA	Water	7470A	803802
MB 500-803802/12-A	Method Blank	Total/NA	Water	7470A	803802
LCS 500-803802/13-A	Lab Control Sample	Total/NA	Water	7470A	803802
LCSD 500-803802/33-A	Lab Control Sample Dup	Total/NA	Water	7470A	803802

Analysis Batch: 804054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total Recoverable	Water	6020B	803714

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Metals (Continued)

Analysis Batch: 804054 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-34	08	Total Recoverable	Water	6020B	803714
500-262718-39	FB	Total Recoverable	Water	6020B	803714
MB 500-803714/1-A	Method Blank	Total Recoverable	Water	6020B	803714
LCS 500-803714/2-A	Lab Control Sample	Total Recoverable	Water	6020B	803714

Analysis Batch: 804283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total Recoverable	Water	6020B	803714
500-262718-34	08	Total Recoverable	Water	6020B	803714
500-262718-39	FB	Total Recoverable	Water	6020B	803714

Prep Batch: 804303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total/NA	Water	7470A	
500-262718-34	08	Total/NA	Water	7470A	
500-262718-39	FB	Total/NA	Water	7470A	
MB 500-804303/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-804303/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 804448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total/NA	Water	7470A	804303
500-262718-34	08	Total/NA	Water	7470A	804303
500-262718-39	FB	Total/NA	Water	7470A	804303
MB 500-804303/12-A	Method Blank	Total/NA	Water	7470A	804303
LCS 500-804303/13-A	Lab Control Sample	Total/NA	Water	7470A	804303

General Chemistry

Analysis Batch: 803044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	SM 2540C	
500-262718-3	03R_FD	Total/NA	Water	SM 2540C	
500-262718-4	08&D	Total/NA	Water	SM 2540C	
500-262718-5	18#S	Total/NA	Water	SM 2540C	
500-262718-6	18&D	Total/NA	Water	SM 2540C	
500-262718-8	45#S	Total/NA	Water	SM 2540C	
MB 500-803044/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-803044/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 803167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	SM 2320B	
500-262718-3	03R_FD	Total/NA	Water	SM 2320B	
500-262718-4	08&D	Total/NA	Water	SM 2320B	
500-262718-5	18#S	Total/NA	Water	SM 2320B	
500-262718-6	18&D	Total/NA	Water	SM 2320B	
500-262718-8	45#S	Total/NA	Water	SM 2320B	
MB 500-803167/26	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-803167/4	Lab Control Sample	Total/NA	Water	SM 2320B	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

General Chemistry

Analysis Batch: 803200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	SM 4500 F C	
500-262718-3	03R_FD	Total/NA	Water	SM 4500 F C	
500-262718-4	08&D	Total/NA	Water	SM 4500 F C	
500-262718-5	18#S	Total/NA	Water	SM 4500 F C	
500-262718-6	18&D	Total/NA	Water	SM 4500 F C	
500-262718-8	45#S	Total/NA	Water	SM 4500 F C	
MB 500-803200/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-803200/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-262718-2 MS	03R	Total/NA	Water	SM 4500 F C	
500-262718-2 MSD	03R	Total/NA	Water	SM 4500 F C	

Analysis Batch: 803354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	300.0	
500-262718-3	03R_FD	Total/NA	Water	300.0	
500-262718-4	08&D	Total/NA	Water	300.0	
500-262718-5	18#S	Total/NA	Water	300.0	
500-262718-6	18&D	Total/NA	Water	300.0	
500-262718-8	45#S	Total/NA	Water	300.0	
MB 500-803787/1-A	Method Blank	Total/NA	Water	300.0	803787
LCS 500-803787/2-A	Lab Control Sample	Total/NA	Water	300.0	803787

Analysis Batch: 803560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total/NA	Water	SM 2540C	
500-262718-34	08	Total/NA	Water	SM 2540C	
500-262718-39	FB	Total/NA	Water	SM 2540C	
MB 500-803560/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-803560/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-262718-39 DU	FB	Total/NA	Water	SM 2540C	

Analysis Batch: 803603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total/NA	Water	SM 2320B	
500-262718-34	08	Total/NA	Water	SM 2320B	
MB 500-803603/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-803603/53	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-803603/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-803603/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 803715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total/NA	Water	SM 4500 F C	
500-262718-34	08	Total/NA	Water	SM 4500 F C	
500-262718-39	FB	Total/NA	Water	SM 4500 F C	
MB 500-803715/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-803715/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-803715/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-803715/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
HEN_845_802-805
SDG: HEN_845_802-805

General Chemistry

Filtration Batch: 803786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-803786/1-A	Method Blank	Total/NA	Water	FILTRATION	
LCS 500-803786/2-A	Lab Control Sample	Total/NA	Water	FILTRATION	

Filtration Batch: 803787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-803787/1-A	Method Blank	Total/NA	Water	FILTRATION	
LCS 500-803787/2-A	Lab Control Sample	Total/NA	Water	FILTRATION	

Analysis Batch: 803788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-33	07	Total/NA	Water	300.0	
500-262718-34	08	Total/NA	Water	300.0	
MB 500-803786/1-A	Method Blank	Total/NA	Water	300.0	803786
LCS 500-803786/2-A	Lab Control Sample	Total/NA	Water	300.0	803786

Analysis Batch: 803813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-39	FB	Total/NA	Water	300.0	
MB 500-803813/3	Method Blank	Total/NA	Water	300.0	
LCS 500-803813/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 804131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-34	08	Total/NA	Water	300.0	
MB 500-804131/3	Method Blank	Total/NA	Water	300.0	
LCS 500-804131/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 804668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-39	FB	Total/NA	Water	SM 2320B	
MB 500-804668/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-804668/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Field Service / Mobile Lab

Analysis Batch: 804313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	Field Sampling	
500-262718-3	03R_FD	Total/NA	Water	Field Sampling	
500-262718-4	08&D	Total/NA	Water	Field Sampling	
500-262718-5	18#S	Total/NA	Water	Field Sampling	
500-262718-6	18&D	Total/NA	Water	Field Sampling	
500-262718-8	45#S	Total/NA	Water	Field Sampling	
500-262718-33	07	Total/NA	Water	Field Sampling	
500-262718-34	08	Total/NA	Water	Field Sampling	
500-262718-49	YSG_ILRIVER (SG02)	Total/NA	Water	Field Sampling	

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-803709/1-A
Matrix: Water
Analysis Batch: 803900

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		01/21/25 15:59	01/22/25 19:10	1

Lab Sample ID: LCS 500-803709/2-A
Matrix: Water
Analysis Batch: 803900

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 803709

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

Lab Sample ID: MB 500-803710/1-A
Matrix: Water
Analysis Batch: 803900

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		01/21/25 16:06	01/22/25 11:56	1

Lab Sample ID: LCS 500-803710/2-A
Matrix: Water
Analysis Batch: 803900

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 803710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.263		mg/L		105	85 - 115

Lab Sample ID: 500-262718-39 MS
Matrix: Water
Analysis Batch: 803900

Client Sample ID: FB
Prep Type: Total Recoverable
Prep Batch: 803710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0050		0.250	0.263		mg/L		105	70 - 130

Lab Sample ID: 500-262718-39 DU
Matrix: Water
Analysis Batch: 803900

Client Sample ID: FB
Prep Type: Total Recoverable
Prep Batch: 803710

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	<0.0050		0.00245	J	mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-803096/1-A
Matrix: Water
Analysis Batch: 803443

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		01/16/25 08:24	01/17/25 13:59	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/16/25 08:24	01/17/25 13:59	1
Barium	<0.0025		0.0025	0.00073	mg/L		01/16/25 08:24	01/17/25 13:59	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/16/25 08:24	01/17/25 13:59	1
Boron	0.0339	J	0.050	0.013	mg/L		01/16/25 08:24	01/17/25 13:59	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/16/25 08:24	01/17/25 13:59	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
HEN_845_802-805
SDG: HEN_845_802-805

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

Lab Sample ID: MB 500-803096/1-A
Matrix: Water
Analysis Batch: 803443

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.20		0.20	0.044	mg/L		01/16/25 08:24	01/17/25 13:59	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/16/25 08:24	01/17/25 13:59	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/16/25 08:24	01/17/25 13:59	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/16/25 08:24	01/17/25 13:59	1
Magnesium	<0.20		0.20	0.049	mg/L		01/16/25 08:24	01/17/25 13:59	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/16/25 08:24	01/17/25 13:59	1
Potassium	<0.50		0.50	0.11	mg/L		01/16/25 08:24	01/17/25 13:59	1
Selenium	<0.0025		0.0025	0.00098	mg/L		01/16/25 08:24	01/17/25 13:59	1
Sodium	<0.20		0.20	0.077	mg/L		01/16/25 08:24	01/17/25 13:59	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 08:24	01/17/25 13:59	1

Lab Sample ID: LCS 500-803096/2-A
Matrix: Water
Analysis Batch: 803443

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 803096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.514		mg/L		103	80 - 120
Arsenic	0.100	0.0957		mg/L		96	80 - 120
Barium	0.500	0.486		mg/L		97	80 - 120
Beryllium	0.0500	0.0519		mg/L		104	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Cadmium	0.0500	0.0513		mg/L		103	80 - 120
Calcium	10.0	8.04		mg/L		80	80 - 120
Chromium	0.200	0.205		mg/L		103	80 - 120
Cobalt	0.500	0.508		mg/L		102	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Magnesium	10.0	10.4		mg/L		104	80 - 120
Molybdenum	1.00	0.990		mg/L		99	80 - 120
Potassium	10.0	10.4		mg/L		104	80 - 120
Selenium	0.100	0.0995		mg/L		100	80 - 120
Sodium	10.0	10.3		mg/L		103	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: MB 500-803714/1-A
Matrix: Water
Analysis Batch: 803914

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		01/21/25 16:22	01/22/25 15:48	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		01/21/25 16:22	01/22/25 15:48	1
Barium	<0.0025		0.0025	0.00073	mg/L		01/21/25 16:22	01/22/25 15:48	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		01/21/25 16:22	01/22/25 15:48	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		01/21/25 16:22	01/22/25 15:48	1
Chromium	<0.0050		0.0050	0.0011	mg/L		01/21/25 16:22	01/22/25 15:48	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		01/21/25 16:22	01/22/25 15:48	1
Lead	<0.00050		0.00050	0.00019	mg/L		01/21/25 16:22	01/22/25 15:48	1
Magnesium	<0.20		0.20	0.049	mg/L		01/21/25 16:22	01/22/25 15:48	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		01/21/25 16:22	01/22/25 15:48	1
Potassium	<0.50		0.50	0.11	mg/L		01/21/25 16:22	01/22/25 15:48	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

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

Lab Sample ID: MB 500-803714/1-A
Matrix: Water
Analysis Batch: 803914

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0025		0.0025	0.00098	mg/L		01/21/25 16:22	01/22/25 15:48	1
Sodium	<0.20		0.20	0.077	mg/L		01/21/25 16:22	01/22/25 15:48	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/21/25 16:22	01/22/25 15:48	1

Lab Sample ID: MB 500-803714/1-A
Matrix: Water
Analysis Batch: 804054

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 803714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0167	J	0.050	0.013	mg/L		01/21/25 16:22	01/23/25 16:58	1
Calcium	<0.20		0.20	0.044	mg/L		01/21/25 16:22	01/23/25 16:58	1

Lab Sample ID: LCS 500-803714/2-A
Matrix: Water
Analysis Batch: 803914

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 803714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.500		mg/L		100	80 - 120
Arsenic	0.100	0.0881		mg/L		88	80 - 120
Barium	0.500	0.470		mg/L		94	80 - 120
Beryllium	0.0500	0.0503		mg/L		101	80 - 120
Cadmium	0.0500	0.0494		mg/L		99	80 - 120
Chromium	0.200	0.187		mg/L		93	80 - 120
Cobalt	0.500	0.463		mg/L		93	80 - 120
Lead	0.100	0.0998		mg/L		100	80 - 120
Magnesium	10.0	9.89		mg/L		99	80 - 120
Molybdenum	1.00	0.938		mg/L		94	80 - 120
Potassium	10.0	9.80		mg/L		98	80 - 120
Selenium	0.100	0.0972		mg/L		97	80 - 120
Sodium	10.0	9.81		mg/L		98	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LCS 500-803714/2-A
Matrix: Water
Analysis Batch: 804054

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 803714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.944		mg/L		94	80 - 120
Calcium	10.0	8.63		mg/L		86	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-803802/12-A
Matrix: Water
Analysis Batch: 803959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 803802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		01/22/25 10:35	01/23/25 09:02	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
HEN-25Q1-2025-005
SDG: HEN_845_802-805

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

Lab Sample ID: LCS 500-803802/13-A
Matrix: Water
Analysis Batch: 803959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 803802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00182		mg/L		91	80 - 120

Lab Sample ID: LCSD 500-803802/33-A
Matrix: Water
Analysis Batch: 803959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 803802

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.00184		mg/L		92	80 - 120	1	20

Lab Sample ID: MB 500-804303/12-A
Matrix: Water
Analysis Batch: 804448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 804303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		01/27/25 13:20	01/28/25 09:42	1

Lab Sample ID: LCS 500-804303/13-A
Matrix: Water
Analysis Batch: 804448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 804303

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-803787/1-A
Matrix: Water
Analysis Batch: 803354

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	0.42	mg/L			01/18/25 09:34	1
Sulfate	<1.0		1.0	0.47	mg/L			01/18/25 09:34	1

Lab Sample ID: LCS 500-803787/2-A
Matrix: Water
Analysis Batch: 803354

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	104		mg/L		104	90 - 110
Sulfate	100	105		mg/L		105	90 - 110

Lab Sample ID: MB 500-803786/1-A
Matrix: Water
Analysis Batch: 803788

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	0.42	mg/L			01/22/25 15:54	1
Sulfate	<1.0		1.0	0.47	mg/L			01/22/25 15:54	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
HEN-25Q1-2025
SDG: HEN_845_802-805

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-803786/2-A
Matrix: Water
Analysis Batch: 803788

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	104		mg/L		104	90 - 110
Sulfate	100	105		mg/L		105	90 - 110

Lab Sample ID: MB 500-803813/3
Matrix: Water
Analysis Batch: 803813

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	0.42	mg/L			01/23/25 00:34	1
Sulfate	<1.0		1.0	0.47	mg/L			01/23/25 00:34	1

Lab Sample ID: LCS 500-803813/4
Matrix: Water
Analysis Batch: 803813

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	103		mg/L		103	90 - 110
Sulfate	100	104		mg/L		104	90 - 110

Lab Sample ID: MB 500-804131/3
Matrix: Water
Analysis Batch: 804131

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	0.42	mg/L			01/25/25 16:44	1
Sulfate	<1.0		1.0	0.47	mg/L			01/25/25 16:44	1

Lab Sample ID: LCS 500-804131/4
Matrix: Water
Analysis Batch: 804131

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	108		mg/L		108	90 - 110
Sulfate	100	109		mg/L		109	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-803167/26
Matrix: Water
Analysis Batch: 803167

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	5.61		5.0	3.7	mg/L			01/16/25 13:08	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			01/16/25 13:08	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
HEN-25Q1-2025
SDG: HEN_845_802-805

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-803167/4
Matrix: Water
Analysis Batch: 803167

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

Lab Sample ID: MB 500-803603/28
Matrix: Water
Analysis Batch: 803603

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	4.73	J	5.0	3.7	mg/L			01/20/25 14:59	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			01/20/25 14:59	1

Lab Sample ID: MB 500-803603/53
Matrix: Water
Analysis Batch: 803603

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	4.83	J	5.0	3.7	mg/L			01/20/25 18:30	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			01/20/25 18:30	1

Lab Sample ID: LCS 500-803603/29
Matrix: Water
Analysis Batch: 803603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	112		mg/L		112	80 - 120

Lab Sample ID: LCS 500-803603/4
Matrix: Water
Analysis Batch: 803603

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

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

Lab Sample ID: MB 500-804668/3
Matrix: Water
Analysis Batch: 804668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			01/29/25 09:58	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			01/29/25 09:58	1

Lab Sample ID: LCS 500-804668/4
Matrix: Water
Analysis Batch: 804668

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

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

QC Sample Results

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

ATTACHMENT B.
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
SDG: HEN_845_802-805

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

Lab Sample ID: MB 500-803044/1
Matrix: Water
Analysis Batch: 803044

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			01/16/25 00:12	1

Lab Sample ID: LCS 500-803044/2
Matrix: Water
Analysis Batch: 803044

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	258		mg/L		103	80 - 120

Lab Sample ID: MB 500-803560/1
Matrix: Water
Analysis Batch: 803560

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	4.3	mg/L			01/21/25 00:23	1

Lab Sample ID: LCS 500-803560/2
Matrix: Water
Analysis Batch: 803560

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

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

Lab Sample ID: 500-262718-39 DU
Matrix: Water
Analysis Batch: 803560

Client Sample ID: FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	6.0	J	6.00	J	mg/L		0	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-803200/3
Matrix: Water
Analysis Batch: 803200

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			01/16/25 14:11	1

Lab Sample ID: LCS 500-803200/4
Matrix: Water
Analysis Batch: 803200

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.0		mg/L		100	90 - 119

QC Sample Results

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

ATTACHMENT B.
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-5
SDG: HEN_845_802-805

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-262718-2 MS
Matrix: Water
Analysis Batch: 803200

Client Sample ID: 03R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.30		5.00	5.41		mg/L		102	75 - 125

Lab Sample ID: 500-262718-2 MSD
Matrix: Water
Analysis Batch: 803200

Client Sample ID: 03R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.30		5.00	5.52		mg/L		105	75 - 125	2	20

Lab Sample ID: MB 500-803715/3
Matrix: Water
Analysis Batch: 803715

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			01/21/25 12:52	1

Lab Sample ID: MB 500-803715/31
Matrix: Water
Analysis Batch: 803715

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			01/21/25 15:09	1

Lab Sample ID: LCS 500-803715/32
Matrix: Water
Analysis Batch: 803715

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	9.59		mg/L		96	90 - 119

Lab Sample ID: LCS 500-803715/4
Matrix: Water
Analysis Batch: 803715

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.0		mg/L		100	90 - 119

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

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

Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 03R

Date Collected: 01/14/25 09:15

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803709	S1Z	EET CHI	01/21/25 15:59 - 01/21/25 21:59 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 19:41
Total Recoverable	Prep	3005A			803096	BDE	EET CHI	01/16/25 08:24 - 01/16/25 14:24 ¹
Total Recoverable	Analysis	6020B		1	803248	RN	EET CHI	01/16/25 18:52
Total/NA	Prep	7470A			803802	MJG	EET CHI	01/22/25 10:35 - 01/22/25 12:35 ¹
Total/NA	Analysis	7470A		1	803959	MJG	EET CHI	01/23/25 09:06
Total/NA	Analysis	300.0		1	803354	W1T	EET CHI	01/18/25 11:06
Total/NA	Analysis	SM 2320B		1	803167	SO	EET CHI	01/16/25 11:37
Total/NA	Analysis	SM 2540C		1	803044	CLB	EET CHI	01/16/25 00:40
Total/NA	Analysis	SM 4500 F C		1	803200	ER	EET CHI	01/16/25 15:18
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/14/25 09:15

Client Sample ID: 03R_FD

Date Collected: 01/14/25 09:20

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803709	S1Z	EET CHI	01/21/25 15:59 - 01/21/25 21:59 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 19:46
Total Recoverable	Prep	3005A			803096	BDE	EET CHI	01/16/25 08:24 - 01/16/25 14:24 ¹
Total Recoverable	Analysis	6020B		1	803443	RN	EET CHI	01/17/25 14:04
Total/NA	Prep	7470A			803802	MJG	EET CHI	01/22/25 10:35 - 01/22/25 12:35 ¹
Total/NA	Analysis	7470A		1	803959	MJG	EET CHI	01/23/25 09:08
Total/NA	Analysis	300.0		1	803354	W1T	EET CHI	01/18/25 11:36
Total/NA	Analysis	SM 2320B		1	803167	SO	EET CHI	01/16/25 11:47
Total/NA	Analysis	SM 2540C		1	803044	CLB	EET CHI	01/16/25 00:43
Total/NA	Analysis	SM 4500 F C		1	803200	ER	EET CHI	01/16/25 15:32
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/14/25 09:20

Client Sample ID: 08&D

Date Collected: 01/14/25 13:45

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803709	S1Z	EET CHI	01/21/25 15:59 - 01/21/25 21:59 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 19:50
Total Recoverable	Prep	3005A			803096	BDE	EET CHI	01/16/25 08:24 - 01/16/25 14:24 ¹
Total Recoverable	Analysis	6020B		1	803443	RN	EET CHI	01/17/25 14:12
Total/NA	Prep	7470A			803802	MJG	EET CHI	01/22/25 10:35 - 01/22/25 12:35 ¹
Total/NA	Analysis	7470A		1	803959	MJG	EET CHI	01/23/25 09:23
Total/NA	Analysis	300.0		10	803354	W1T	EET CHI	01/18/25 12:37
Total/NA	Analysis	SM 2320B		1	803167	SO	EET CHI	01/16/25 11:56
Total/NA	Analysis	SM 2540C		1	803044	CLB	EET CHI	01/16/25 00:45

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

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

Job ID: 500-262718-5
HEN-25Q1-2025-005
SDG: HEN_845_802-805

Client Sample ID: 08&D

Date Collected: 01/14/25 13:45

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	803200	ER	EET CHI	01/16/25 15:36
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/14/25 13:45

Client Sample ID: 18#S

Date Collected: 01/14/25 12:10

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803709	S1Z	EET CHI	01/21/25 15:59 - 01/21/25 21:59 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 20:04
Total Recoverable	Prep	3005A			803096	BDE	EET CHI	01/16/25 08:24 - 01/16/25 14:24 ¹
Total Recoverable	Analysis	6020B		1	803443	RN	EET CHI	01/17/25 14:15
Total/NA	Prep	7470A			803802	MJG	EET CHI	01/22/25 10:35 - 01/22/25 12:35 ¹
Total/NA	Analysis	7470A		1	803959	MJG	EET CHI	01/23/25 09:25
Total/NA	Analysis	300.0		1	803354	W1T	EET CHI	01/18/25 13:08
Total/NA	Analysis	SM 2320B		1	803167	SO	EET CHI	01/16/25 12:06
Total/NA	Analysis	SM 2540C		1	803044	CLB	EET CHI	01/16/25 00:48
Total/NA	Analysis	SM 4500 F C		1	803200	ER	EET CHI	01/16/25 15:40
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/14/25 12:10

Client Sample ID: 18&D

Date Collected: 01/14/25 10:41

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803709	S1Z	EET CHI	01/21/25 15:59 - 01/21/25 21:59 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 20:08
Total Recoverable	Prep	3005A			803096	BDE	EET CHI	01/16/25 08:24 - 01/16/25 14:24 ¹
Total Recoverable	Analysis	6020B		1	803443	RN	EET CHI	01/17/25 14:17
Total/NA	Prep	7470A			803802	MJG	EET CHI	01/22/25 10:35 - 01/22/25 12:35 ¹
Total/NA	Analysis	7470A		1	803959	MJG	EET CHI	01/23/25 09:31
Total/NA	Analysis	300.0		1	803354	W1T	EET CHI	01/18/25 13:23
Total/NA	Analysis	SM 2320B		1	803167	SO	EET CHI	01/16/25 12:15
Total/NA	Analysis	SM 2540C		1	803044	CLB	EET CHI	01/16/25 00:50
Total/NA	Analysis	SM 4500 F C		1	803200	ER	EET CHI	01/16/25 15:45
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/14/25 10:41

Client Sample ID: 45#S

Date Collected: 01/14/25 14:10

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803709	S1Z	EET CHI	01/21/25 15:59 - 01/21/25 21:59 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 20:18

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

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

Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 45#S

Date Collected: 01/14/25 14:10

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			803096	BDE	EET CHI	01/16/25 08:24 - 01/16/25 14:24 ¹
Total Recoverable	Analysis	6020B		1	803443	RN	EET CHI	01/17/25 14:23
Total/NA	Prep	7470A			803802	MJG	EET CHI	01/22/25 10:35 - 01/22/25 12:35 ¹
Total/NA	Analysis	7470A		1	803959	MJG	EET CHI	01/23/25 09:35
Total/NA	Analysis	300.0		1	803354	W1T	EET CHI	01/18/25 14:24
Total/NA	Analysis	SM 2320B		1	803167	SO	EET CHI	01/16/25 12:35
Total/NA	Analysis	SM 2540C		1	803044	CLB	EET CHI	01/16/25 00:55
Total/NA	Analysis	SM 4500 F C		1	803200	ER	EET CHI	01/16/25 16:04
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/14/25 14:10

Client Sample ID: 07

Date Collected: 01/17/25 07:10

Date Received: 01/17/25 14:00

Lab Sample ID: 500-262718-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803710	S1Z	EET CHI	01/21/25 16:06 - 01/21/25 22:06 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 13:03
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	804283	RN	EET CHI	01/24/25 12:26
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	803914	RN	EET CHI	01/22/25 16:06
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	804054	RN	EET CHI	01/23/25 17:22
Total/NA	Prep	7470A			804303	MJG	EET CHI	01/27/25 13:20 - 01/27/25 15:20 ¹
Total/NA	Analysis	7470A		1	804448	MJG	EET CHI	01/28/25 09:54
Total/NA	Analysis	300.0		1	803788	MM	EET CHI	01/22/25 22:32
Total/NA	Analysis	SM 2320B		1	803603	SO	EET CHI	01/20/25 18:08
Total/NA	Analysis	SM 2540C		1	803560	CLB	EET CHI	01/21/25 00:35
Total/NA	Analysis	SM 4500 F C		1	803715	SO	EET CHI	01/21/25 16:36
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/17/25 07:10

Client Sample ID: 08

Date Collected: 01/17/25 08:10

Date Received: 01/17/25 14:00

Lab Sample ID: 500-262718-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803710	S1Z	EET CHI	01/21/25 16:06 - 01/21/25 22:06 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 13:07
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	804283	RN	EET CHI	01/24/25 12:30
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	803914	RN	EET CHI	01/22/25 16:08
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	804054	RN	EET CHI	01/23/25 17:25

Eurofins Chicago

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

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

Job ID: 500-262718-5
SDG: HEN_845_802-805

Client Sample ID: 08

Lab Sample ID: 500-262718-34

Date Collected: 01/17/25 08:10

Matrix: Water

Date Received: 01/17/25 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			804303	MJG	EET CHI	01/27/25 13:20 - 01/27/25 15:20 ¹
Total/NA	Analysis	7470A		1	804448	MJG	EET CHI	01/28/25 09:56
Total/NA	Analysis	300.0		1	803788	MM	EET CHI	01/22/25 23:02
Total/NA	Analysis	300.0		10	804131	MB	EET CHI	01/25/25 22:51
Total/NA	Analysis	SM 2320B		1	803603	SO	EET CHI	01/20/25 18:18
Total/NA	Analysis	SM 2540C		1	803560	CLB	EET CHI	01/21/25 00:38
Total/NA	Analysis	SM 4500 F C		1	803715	SO	EET CHI	01/21/25 16:50
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/17/25 08:10

Client Sample ID: FB

Lab Sample ID: 500-262718-39

Date Collected: 01/17/25 10:00

Matrix: Water

Date Received: 01/17/25 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			803710	S1Z	EET CHI	01/21/25 16:06 - 01/21/25 22:06 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	803900	RB	EET CHI	01/22/25 13:26
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	804283	RN	EET CHI	01/24/25 12:56
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	803914	RN	EET CHI	01/22/25 16:26
Total Recoverable	Prep	3005A			803714	S1Z	EET CHI	01/21/25 16:22 - 01/21/25 22:22 ¹
Total Recoverable	Analysis	6020B		1	804054	RN	EET CHI	01/23/25 17:41
Total/NA	Prep	7470A			804303	MJG	EET CHI	01/27/25 13:20 - 01/27/25 15:20 ¹
Total/NA	Analysis	7470A		1	804448	MJG	EET CHI	01/28/25 10:17
Total/NA	Analysis	300.0		1	803813	MM	EET CHI	01/23/25 04:08
Total/NA	Analysis	SM 2320B		1	804668	SO	EET CHI	01/29/25 11:58
Total/NA	Analysis	SM 2540C		1	803560	CLB	EET CHI	01/21/25 00:56
Total/NA	Analysis	SM 4500 F C		1	803715	SO	EET CHI	01/21/25 17:22

Client Sample ID: YSG_ILRIVER (SG02)

Lab Sample ID: 500-262718-49

Date Collected: 01/13/25 10:15

Matrix: Water

Date Received: 01/15/25 12:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	804313	DN	EET CHI	01/13/25 10:15

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

Laboratory References:

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

Eurofins Chicago

Accreditation/Certification Summary

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

ATTACHMENT B.
Q15 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-5
HEN-25-802-805
SDG: HEN_845_802-805

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	02-13-25

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 CaCO ₃
SM 2320B		Water	Carbonate Alkalinity as CaCO ₃

500-262718

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	Vistra Corp-Hennepin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address	13498 E 800th St Hennepin, IL 61327	Copy To:	Sam Davies samantha.davies@vistracorp.com	Company Name:	Vistra Corp
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.	Jason Stuckey & Michael Olie	Address:	see Section A
Phone	(217) 763-8911 Fax:	Project Name:	Jason Stuckey@vistracorp.com	Quote Reference:	
Requested Due Date/TAT	10 day	Project Number:	50024191	Project Manager:	
				Site Location	IL
				STATE	
				500-262718 COC	



Section D Required Client Information		Valid Matrix Codes		Matrix Code		Sample ID		Sample IDs MUST BE UNIQUE		Requested Analysis Filtered (Y/N)		SAMPLE CONDITIONS	
ITEM #	Additional Comments	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Temp in °C	Received on	Sealed Cooler	Custody	Intact (Y/N)	
1	02		1/14/25	0830		1/15/25	0800	11/15/25	1018				
2	03R		1/14/25	0915		1/15/25	1216	11/15/25	1216				
3	03R_FD		1/14/25	0920									
4	05DR												
5	05IR												
6	07												
7	08												
8	08&D		1/14/25	1345									
9	10												
10	12												
11	13												
12	16												
13	16-FD												
14	17												
15	18&D		1/14/25	1041									
16	18#S		1/14/25	1210									
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500-262718

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	Vistra Corp-Hennepin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address	13498 E 800th St	Copy To:	Sam Davies samanthaladavies@vistracorp.com	Company Name	Vistra Corp
	Hennepin, IL 61327		Jason Sluckey & Michael Olie	Address	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.	michael.olie@vistracorp.com	Quote Reference:	
Phone	(217) 753-8911 Fax:	Project Name:	Jason.Sluckey@vistracorp.com	Project Manager:	
Requested Due Date/TAT	10 day	Project Number:	50024191	Profile #	

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

Section D Required Client Information		Valid Matrix Codes		Matrix CODE		COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS		Preservatives		Y/N		Requested Analysis Filtered (Y/N)		Project No./ Lab I.D.	
SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE		MATRIX CODE		DATE		TIME		DATE		TIME		DATE		TIME		DATE		TIME	
45#S		46		11/14/25		1410												HEN-WPCP-East	
46		47																HEN-845-804	
47		48R																HEN-845-803	
48R		49																HEN-845-802-805	
49		50																HEN-811-801	
50		51																HEN-257-804	
51		52																HEN-257-803	
52		54																HEN-257-802	
54		54 FD																HEN-257-801	
54 FD		55																HEN-000-RAD	
55		SG02																HEN-000	
SG02		XPW01																	
XPW01		XPW02																	
XPW02		XPW03																	
XPW03		XSG01																	
XSG01																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
HEN-25Q1 Rev 0	George Assalley / ASE	11/15/25	0800	George Assalley	11/15/25	1018	
	R.J. Ellman	11/15/25	1216	George Assalley	11/15/25	1216	

PRINT Name of SAMPLER	DATE Signed (MM/DD/YY)
George Assalley	11/15/25
SIGNATURE of SAMPLER	
George Assalley	

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Requested Analysis Filtered (Y/N)

SAMPLE CONDITIONS

5	10	20
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1/16/75

Samples
Intact (Y/N)

02/27/25 (Rev. 1)

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02/27/25 (Rev. 1)

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Section C
Invoice Information:

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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
HEN-25Q1 Rev 0	George Asaally ASE	1/16/25	0300	<i>[Signature]</i>	1/16/25	1020				
	<i>[Signature]</i>	1/16/25	1213	Stephanie Hernandez EETA	1/16/25	1217				
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER SIGNATURE of SAMPLER DATE Signed (MM/DD/YY) 1/16/25							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

Invoice information:

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500-262718 COC

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

23
24

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Section C
Invoice Information:

Page 2 of 4

Company:	Vistra Corp-Hennepin	Report To:	Brian Voelker	Attention:	Brian Voelker			
Address:	13498 E 800th St	Copy To:	Sam Davies samantha.davies@vistracorp.com	Company Name:	Vistra Corp	REGULATORY AGENCY		
	Hennepin, IL 61327		Jason Stuckey & Michael Olle	Address:	see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	michael.olle@vistracorp.com	Quote Reference:		UST	RCRA	OTHER
Phone:	(217) 753-8911	Fax:		Project Name:	Jason.Stuckey@vistracorp.com	Site Location:		
				Project Manager:		STATE	IL	
				Profile #:				
	Requested Due Date/TAT		10 day	Project Number:	50024191			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Y/N ↓	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-000	HEN-000-RAD	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		21R			1/16/25	1400											H	X							X		X		MS/MSD			
2		22															H	X							X		X					
3		22&D															H	X							X		X					
4		23															H	X							X		X					
5		25															J								X				DTW Only			
6		26															J								X				DTW Only			
7		27															H	X							X		X					
8		30															J								X				DTW Only			
9		31															J								X				DTW Only			
10		32															H	X							X		X					
11		33															J								X				DTW Only			
12		34															H	X							X		X					
13		35			1/16/25	1115											H	X							X		X					
14		35 FD			1/16/25	1120											H	X							X		X					
15		36															J								X				DTW Only			
16		40#S			1/16/25	1040											E		X						X				SHORT HOLD - NO2			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																		
HEN-25Q1 Rev 0		George Avalon/AJE		1/17/25		0800		[Signature]		1/17/25		1027																				
		[Signature]		1/17/25		1224		[Signature]		1/17/25		1224																				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on (mm/YY)	Custody Sealed Cooler (YY)	Samples Intact (YY)
PRINT Name of SAMPLER	George Assalley				
SIGNATURE of SAMPLER	 DATE Signed (mm/DD/YY) 1/17/25				

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Page 3 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab ID
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	HEN-000	HEN-000-RAD	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		46#S														B	X		X				X										SHORT HOLD - NO2	
2		46			1/16/25	1235										G	X			X			X											
3		47														G	X				X		X											
4		48R			1/16/25	1155										I		X																
5		49														H	X			X				X		X							MS/MSD	
6		50			1/16/25	1520										H	X			X				X		X								
7		51			1/16/25	0955										H	X			X				X		X								
8		52														G	X			X				X										
9		54														G	X			X				X										
10		54 FD														G	X			X				X										
11		55														J				X				X									DTW Only	
12		SG02														J		X	X	X	X	X	X	X	X	X	X						DTW Only (YSG_ILRiver)	
13		XPW01														G				X				X										
14		XPW02														G				X				X										
15		XPW03														G				X				X										
16		XSG01														J				X				X									DTW Only	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION							DATE	TIME	SAMPLE CONDITIONS																	
HEN-25Q1 Rev 0			George Asalleja / AFE			1/17/25	0800	[Signature]							1/17/25	1027																		
			[Signature]			1/17/25	1224	[Signature]							1/17/25	1224																		

02/27/25 (Rev. 1)

570-26718

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[illegible]

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER

SIGNATURE of SAMPLER

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

dbn 01/17/2025

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-262718

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Section A
Required Client Information:

Company: Visira Corp-Hennepin
Address: 13498 E 800th St
Hennepin, IL 61327
Email To: Brian.Voelker@VisiraCorp.com
Phone: (217) 753-8911 Fax:
Requested Due Date/TAT: 10 day

Section B
Required Project Information:

Report To: Brian Voelker
Copy To: Sam Davies samantha.davies@visiracorp.com
Purchase Order No.: michael.olle@visiracorp.com
Project Name: Jason Sluckey@visiracorp.com
Project Number: 50024191

Section C
Invoice Information:

Attention: Brian Voelker
Company Name: Visira Corp
Address: see Section A
Quote Reference:
Project Manager:
Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location IL
STATE

Section D
Required Client Information

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

Valid Matrix Codes
MATRIX CODE
DW DRINKING WATER
WT WASTE WATER
WW WASTE WATER
P PRODUCT
S SOLID
OIL OIL
WI WIPE
AIR AIR
OTHER OTHER
TS TISSUE

COLLECTED
DATE TIME

MATRIX CODE
(see valid codes to left)

SAMPLE TYPE (G=GRAB C=COMP)

RELINQUISHED BY / AFFILIATION DATE TIME

ADDITIONAL COMMENTS

Requested Analysis Filtered (Y/N)

ITEM #	Valid Matrix Codes	MATRIX CODE	SAMPLE TYPE	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1	45#S												
2	46												
3	47												
4	48R												
5	49												
6	50												
7	51												
8	52												
9	54												
10	54 FD												
11	55												
12	SG02												
13	XPW01												
14	XPW02												
15	XPW03												
16	XSG01												

Project No. / Lab I.D.
SHORT HOLD - NO2

Residual Chlorine (Y/N)
HEN-WPCP-East
HEN-845-804
HEN-845-803
HEN-845-802-805
HEN-811-801
HEN-257-804
HEN-257-803
HEN-257-802
HEN-257-801
HEN-000-RAD
HEN-000

Preservatives
Unpreserved
H₂SO₄
HNO₃
HCl
NaOH
Na₂S₂O₃
Methanol
Other

Analysis Test
Y/N

Requested Analysis Filtered (Y/N)

DATE **TIME** **DATE** **TIME**

1400 1-17-25 Signature: HENNONDAE EEA 11/17/25 1400

Signature
PRINT Name of SAMPLER
SIGNATURE of SAMPLER

DATE Signed
(MM/DD/YYYY)

DATE **TIME**

1400 1-17-25 Signature: HENNONDAE EEA 11/17/25 1400

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

dbn 01/17/2025

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:
 Company: Visira Corp-Hennepin
 Address: 13498 E 800th St
Hennepin, IL 61327
 Email To: Brian.Voelker@VisiraCorp.com
 Phone: (217) 753-8911 Fax:
 Requested Due Date/TAT: 10 day

Section B
Required Project Information:
 Report To: Brian Voelker
 Copy To: Sam Davies samantha.davies@visiracorp.com
 Address: see Section A
 Quote Reference: Project Manager
 Project Manager: Jason.Stuckey@visiracorp.com
 Profile #: 50024191

Section C
Invoice Information:
 Attention: Brian Voelker
 Company Name: Visira Corp
 Address: see Section A
 Project Manager: Jason.Stuckey@visiracorp.com
 Profile #: 50024191

Section D
Valid Matrix Codes
 MATRIX CODE
 DW DRINKING WATER
 WT WASTE WATER
 WW WASTE WATER
 SL SOLID
 OIL OIL
 WP WIFE
 AR AIR
 OT OTHER
 TS TISSUE

Section E
Requested Analysis Filtered (Y/N)

ITEM #	Valid Matrix Codes	MATRIX CODE	DATE	TIME	COLLECTED	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Y/N	Project No./ Lab I.D.
1	FB	FB	1-17-25	1000								HEN-000
2	TB1	TB1	1-17-25	1000								HEN-000-RAD
3	TB2	TB2	1-17-25	1000								HEN-257-801
4												HEN-257-802
5												HEN-257-803
6												HEN-257-804
7												HEN-811-801
8												HEN-845-802-805
9												HEN-845-803
10												HEN-845-804
11												HEN-WPCP-East
12												HEN-WPCP-West
13												
14												
15												
16												

Section F
Relinquished By / Affiliation
 DATE: 1-17-25 TIME: 1400
 SIGNATURE: [Signature]
 PRINT Name of SAMPLER: Stephanie Amadi
 SIGNATURE of SAMPLER: [Signature]

Section G
Additional Comments
HEN-25Q1 Rev 0

Section H
Regulatory Agency
 NPDES: GROUND WATER RCRA OTHER
 UST: DRINKING WATER
 Site Location: IL
 STATE: IL

Section I
Temp in °C
 Received on: 11/17/25
 Custody (Y/N): Sealed Cooler
 Samples Intact (Y/N): Intact

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

dbn 01/17/2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
HEN-845-802-805

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-262718-5
SDG Number: HEN_845_802-805

Login Number: 262718

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2,0.1,1.2,2.6,3.2,3.9,2.2,4.8,2.8,5.7,4.5,1.9
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.	False	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

ANALYTICAL REPORT

PREPARED FOR

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

Generated 02/12/25 14:26:59

JOB DESCRIPTION

HEN-25Q1
HEN_000_RAD

JOB NUMBER

500-262718-2

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
02/12/25 14:26:59

Authorized for release by
Dirk Nelson, Project Management Assistant II
Dirk.Nelson@et.eurofinsus.com
(708)534-5200

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Case Narrative

Client: Vistra Energy Corp
Project: HEN-25Q1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
IN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

Job ID: 500-262718-2

Job ID: 500-262718-2

Eurofins Chicago

Job Narrative 500-262718-2

Receipt

The samples were received on 01/15/25 12:16. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 0.1° C, 1.2° C, 1.9° C, 2.2° C, 2.2° C, 2.6° C, 2.8° C, 3.2° C, 3.9° C, 4.5° C, 4.8° C and 5.7° C.

RAD

Methods 904.0, 9320: Radium-228 prep batch 160-699122:

The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 138% (LCS 160-699122/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (74-146%) The LCS is within criteria and no further action is required.

Method 904.0: Radium-228 prep batch 160-698837:

The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 132%: (LCS 160-698837/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (76-146%). The LCS is within criteria and no further action is required.

Methods 904.0, 9320: Radium-228 batch 699304

The LCS recovered at (141%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (74-146%) per method requirements. The LCS passes, no further action is required. (LCS 160-699304/2-A)

Methods 904.0, 9320: Radium-228 batch 699304

The matrix spike duplicate (MSD) recoveries for Radium-228 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. 21R (500-262718-25[MSD])

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

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Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 03R	Lab Sample ID: 500-262718-2
☐ No Detections.	
Client Sample ID: 03R_FD	Lab Sample ID: 500-262718-3
☐ No Detections.	
Client Sample ID: 08&D	Lab Sample ID: 500-262718-4
☐ No Detections.	
Client Sample ID: 18&D	Lab Sample ID: 500-262718-5
☐ No Detections.	
Client Sample ID: 18#S	Lab Sample ID: 500-262718-6
☐ No Detections.	
Client Sample ID: 27	Lab Sample ID: 500-262718-7
☐ No Detections.	
Client Sample ID: 45#S	Lab Sample ID: 500-262718-8
☐ No Detections.	
Client Sample ID: 54	Lab Sample ID: 500-262718-9
☐ No Detections.	
Client Sample ID: 54_FD	Lab Sample ID: 500-262718-10
☐ No Detections.	
Client Sample ID: 13	Lab Sample ID: 500-262718-12
☐ No Detections.	
Client Sample ID: 17	Lab Sample ID: 500-262718-13
☐ No Detections.	
Client Sample ID: 22	Lab Sample ID: 500-262718-14
☐ No Detections.	
Client Sample ID: 22&D	Lab Sample ID: 500-262718-15
☐ No Detections.	
Client Sample ID: 32	Lab Sample ID: 500-262718-16
☐ No Detections.	
Client Sample ID: 34	Lab Sample ID: 500-262718-17
☐ No Detections.	
Client Sample ID: 47	Lab Sample ID: 500-262718-18
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 52	Lab Sample ID: 500-262718-19
☐ No Detections.	
Client Sample ID: 21R	Lab Sample ID: 500-262718-25
☐ No Detections.	
Client Sample ID: 35	Lab Sample ID: 500-262718-26
☐ No Detections.	
Client Sample ID: 35_FD	Lab Sample ID: 500-262718-27
☐ No Detections.	
Client Sample ID: 46	Lab Sample ID: 500-262718-29
☐ No Detections.	
Client Sample ID: 50	Lab Sample ID: 500-262718-31
☐ No Detections.	
Client Sample ID: 51	Lab Sample ID: 500-262718-32
☐ No Detections.	
Client Sample ID: 07	Lab Sample ID: 500-262718-33
☐ No Detections.	
Client Sample ID: 08	Lab Sample ID: 500-262718-34
☐ No Detections.	
Client Sample ID: 16	Lab Sample ID: 500-262718-35
☐ No Detections.	
Client Sample ID: 16_FD	Lab Sample ID: 500-262718-36
☐ No Detections.	
Client Sample ID: 23	Lab Sample ID: 500-262718-37
☐ No Detections.	
Client Sample ID: 49	Lab Sample ID: 500-262718-38
☐ No Detections.	
Client Sample ID: FB	Lab Sample ID: 500-262718-39
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

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Method Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-2
HEN-25-002905
SDG: HEN_000_RAD

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-262718-2	03R	Water	01/14/25 09:15	01/15/25 12:16
500-262718-3	03R_FD	Water	01/14/25 09:20	01/15/25 12:16
500-262718-4	08&D	Water	01/14/25 13:45	01/15/25 12:16
500-262718-5	18&D	Water	01/14/25 10:41	01/15/25 12:16
500-262718-6	18#S	Water	01/14/25 12:10	01/15/25 12:16
500-262718-7	27	Water	01/14/25 16:30	01/15/25 12:16
500-262718-8	45#S	Water	01/14/25 14:10	01/15/25 12:16
500-262718-9	54	Water	01/14/25 15:30	01/15/25 12:16
500-262718-10	54_FD	Water	01/14/25 15:40	01/15/25 12:16
500-262718-12	13	Water	01/15/25 14:05	01/16/25 12:17
500-262718-13	17	Water	01/15/25 12:20	01/16/25 12:17
500-262718-14	22	Water	01/15/25 08:45	01/16/25 12:17
500-262718-15	22&D	Water	01/15/25 09:40	01/16/25 12:17
500-262718-16	32	Water	01/15/25 16:10	01/16/25 12:17
500-262718-17	34	Water	01/15/25 14:50	01/16/25 12:17
500-262718-18	47	Water	01/15/25 11:35	01/16/25 12:17
500-262718-19	52	Water	01/15/25 12:45	01/16/25 12:17
500-262718-25	21R	Water	01/16/25 14:00	01/17/25 12:24
500-262718-26	35	Water	01/16/25 11:15	01/17/25 12:24
500-262718-27	35_FD	Water	01/16/25 11:20	01/17/25 12:24
500-262718-29	46	Water	01/16/25 12:35	01/17/25 12:24
500-262718-31	50	Water	01/16/25 15:20	01/17/25 12:24
500-262718-32	51	Water	01/16/25 09:55	01/17/25 12:24
500-262718-33	07	Water	01/17/25 07:10	01/17/25 14:00
500-262718-34	08	Water	01/17/25 08:10	01/17/25 14:00
500-262718-35	16	Water	01/17/25 09:05	01/17/25 14:00
500-262718-36	16_FD	Water	01/17/25 09:10	01/17/25 14:00
500-262718-37	23	Water	01/17/25 10:45	01/17/25 14:00
500-262718-38	49	Water	01/17/25 10:00	01/17/25 14:00
500-262718-39	FB	Water	01/17/25 10:00	01/17/25 14:00

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 03R

Lab Sample ID: 500-262718-2

Date Collected: 01/14/25 09:15

Matrix: Water

Date Received: 01/15/25 12:16

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	0.0903	U	0.0886	0.0890	1.00	0.140	pCi/L	01/17/25 08:55	02/10/25 17:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					01/17/25 08:55	02/10/25 17:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.271	U	0.383	0.384	1.00	0.643	pCi/L	01/17/25 08:59	01/29/25 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					01/17/25 08:59	01/29/25 12:32	1
Y Carrier	82.2		30 - 110					01/17/25 08:59	01/29/25 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	0.361	U	0.393	0.394	5.00	0.643	pCi/L		02/12/25 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 03R_FD

Date Collected: 01/14/25 09:20

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0928	U	0.0683	0.0688	1.00	0.0945	pCi/L	01/17/25 08:55	02/10/25 17:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/17/25 08:55	02/10/25 17:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.121	U	0.302	0.302	1.00	0.605	pCi/L	01/17/25 08:59	01/29/25 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/17/25 08:59	01/29/25 12:32	1
Y Carrier	84.9		30 - 110					01/17/25 08:59	01/29/25 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	0.0928	U	0.310	0.310	5.00	0.605	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 08&D

Lab Sample ID: 500-262718-4

Date Collected: 01/14/25 13:45

Matrix: Water

Date Received: 01/15/25 12:16

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	0.0793	U	0.0755	0.0758	1.00	0.118	pCi/L	01/17/25 08:55	02/10/25 17:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110					01/17/25 08:55	02/10/25 17:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.532		0.347	0.351	1.00	0.512	pCi/L	01/17/25 08:59	01/29/25 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110					01/17/25 08:59	01/29/25 12:32	1
Y Carrier	84.9		30 - 110					01/17/25 08:59	01/29/25 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	0.611		0.355	0.359	5.00	0.512	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 18&D

Date Collected: 01/14/25 10:41

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0897	U	0.0693	0.0698	1.00	0.0979	pCi/L	01/17/25 08:55	02/10/25 17:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					01/17/25 08:55	02/10/25 17:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.382	U	0.385	0.386	1.00	0.620	pCi/L	01/17/25 08:59	01/29/25 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					01/17/25 08:59	01/29/25 12:32	1
Y Carrier	89.0		30 - 110					01/17/25 08:59	01/29/25 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	0.472	U	0.391	0.392	5.00	0.620	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 18#S

Date Collected: 01/14/25 12:10

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.167		0.0820	0.0834	1.00	0.0952	pCi/L	01/17/25 09:01	02/10/25 17:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					01/17/25 09:01	02/10/25 17:21	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	-0.168	U	0.344	0.344	1.00	0.691	pCi/L	01/17/25 09:04	01/29/25 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					01/17/25 09:04	01/29/25 12:17	1
Y Carrier	79.6		30 - 110					01/17/25 09:04	01/29/25 12:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.167	U	0.354	0.354	5.00	0.691	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 27

Lab Sample ID: 500-262718-7

Date Collected: 01/14/25 16:30

Matrix: Water

Date Received: 01/15/25 12:16

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	0.186		0.0939	0.0954	1.00	0.112	pCi/L	01/17/25 09:01	02/11/25 14:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		30 - 110					01/17/25 09:01	02/11/25 14:37	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.400	U	0.519	0.521	1.00	0.865	pCi/L	01/17/25 09:04	01/29/25 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		30 - 110					01/17/25 09:04	01/29/25 12:17	1
Y Carrier	80.4		30 - 110					01/17/25 09:04	01/29/25 12:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.586	U	0.527	0.530	5.00	0.865	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 45#S

Lab Sample ID: 500-262718-8

Date Collected: 01/14/25 14:10

Matrix: Water

Date Received: 01/15/25 12:16

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.243		0.0989	0.101	1.00	0.111	pCi/L	01/17/25 09:01	02/11/25 14:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					01/17/25 09:01	02/11/25 14:37	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U	0.454	0.454	1.00	0.796	pCi/L	01/17/25 09:04	01/29/25 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					01/17/25 09:04	01/29/25 12:17	1
Y Carrier	81.1		30 - 110					01/17/25 09:04	01/29/25 12:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.409	U	0.465	0.465	5.00	0.796	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 54

Lab Sample ID: 500-262718-9

Date Collected: 01/14/25 15:30

Matrix: Water

Date Received: 01/15/25 12:16

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	0.0581	U	0.0568	0.0570	1.00	0.0876	pCi/L	01/17/25 09:01	02/11/25 14:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					01/17/25 09:01	02/11/25 14:38	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	0.261	U	0.404	0.405	1.00	0.685	pCi/L	01/17/25 09:04	01/29/25 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					01/17/25 09:04	01/29/25 12:17	1
Y Carrier	80.7		30 - 110					01/17/25 09:04	01/29/25 12:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.319	U	0.408	0.409	5.00	0.685	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 54_FD
Date Collected: 01/14/25 15:40
Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0456	U	0.0545	0.0546	1.00	0.0890	pCi/L	01/17/25 09:01	02/11/25 14:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110					01/17/25 09:01	02/11/25 14:38	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	0.471	U	0.431	0.433	1.00	0.688	pCi/L	01/17/25 09:04	01/29/25 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110					01/17/25 09:04	01/29/25 12:17	1
Y Carrier	83.0		30 - 110					01/17/25 09:04	01/29/25 12:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.517	U	0.434	0.436	5.00	0.688	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 13

Lab Sample ID: 500-262718-12

Date Collected: 01/15/25 14:05

Matrix: Water

Date Received: 01/16/25 12:17

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	0.00712	U	0.0577	0.0577	1.00	0.113	pCi/L	01/20/25 08:44	02/11/25 14:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					01/20/25 08:44	02/11/25 14:45	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	0.763		0.460	0.465	1.00	0.680	pCi/L	01/20/25 08:51	01/30/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					01/20/25 08:51	01/30/25 11:45	1
Y Carrier	78.1		30 - 110					01/20/25 08:51	01/30/25 11:45	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.770		0.464	0.469	5.00	0.680	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 17

Lab Sample ID: 500-262718-13

Date Collected: 01/15/25 12:20

Matrix: Water

Date Received: 01/16/25 12:17

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	0.0761	U	0.0651	0.0655	1.00	0.0962	pCi/L	01/20/25 08:44	02/11/25 14:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					01/20/25 08:44	02/11/25 14:45	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	0.835		0.395	0.402	1.00	0.525	pCi/L	01/20/25 08:51	01/30/25 11:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					01/20/25 08:51	01/30/25 11:46	1
Y Carrier	80.4		30 - 110					01/20/25 08:51	01/30/25 11:46	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.912		0.400	0.407	5.00	0.525	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 22

Lab Sample ID: 500-262718-14

Date Collected: 01/15/25 08:45

Matrix: Water

Date Received: 01/16/25 12:17

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	0.0953	U	0.0787	0.0791	1.00	0.116	pCi/L	01/20/25 08:44	02/11/25 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					01/20/25 08:44	02/11/25 14:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.843		0.461	0.468	1.00	0.650	pCi/L	01/20/25 08:51	01/30/25 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					01/20/25 08:51	01/30/25 11:56	1
Y Carrier	78.5		30 - 110					01/20/25 08:51	01/30/25 11:56	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	0.938		0.468	0.475	5.00	0.650	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 22&D

Date Collected: 01/15/25 09:40

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.646		0.157	0.167	1.00	0.134	pCi/L	01/20/25 08:44	02/11/25 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.3		30 - 110					01/20/25 08:44	02/11/25 14:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.506	0.516	1.00	0.686	pCi/L	01/20/25 08:51	01/30/25 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.3		30 - 110					01/20/25 08:51	01/30/25 11:56	1
Y Carrier	77.4		30 - 110					01/20/25 08:51	01/30/25 11:56	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	1.76		0.530	0.542	5.00	0.686	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 32

Lab Sample ID: 500-262718-16

Date Collected: 01/15/25 16:10

Matrix: Water

Date Received: 01/16/25 12:17

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	0.184		0.0925	0.0940	1.00	0.113	pCi/L	01/20/25 08:44	02/11/25 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					01/20/25 08:44	02/11/25 14:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.877		0.445	0.452	1.00	0.614	pCi/L	01/20/25 08:51	01/30/25 11:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					01/20/25 08:51	01/30/25 11:57	1
Y Carrier	77.4		30 - 110					01/20/25 08:51	01/30/25 11:57	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.06		0.455	0.462	5.00	0.614	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 34

Lab Sample ID: 500-262718-17

Date Collected: 01/15/25 14:50

Matrix: Water

Date Received: 01/16/25 12:17

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	0.311		0.114	0.117	1.00	0.118	pCi/L	01/20/25 08:44	02/11/25 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					01/20/25 08:44	02/11/25 14:46	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.905		0.457	0.465	1.00	0.631	pCi/L	01/20/25 08:51	01/30/25 11:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					01/20/25 08:51	01/30/25 11:57	1
Y Carrier	78.5		30 - 110					01/20/25 08:51	01/30/25 11:57	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.22		0.471	0.479	5.00	0.631	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 47

Lab Sample ID: 500-262718-18

Date Collected: 01/15/25 11:35

Matrix: Water

Date Received: 01/16/25 12:17

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	0.0509	U	0.0655	0.0657	1.00	0.109	pCi/L	01/20/25 08:44	02/11/25 16:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.8		30 - 110					01/20/25 08:44	02/11/25 16:59	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	0.401	U	0.371	0.373	1.00	0.589	pCi/L	01/20/25 08:51	01/30/25 11:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.8		30 - 110					01/20/25 08:51	01/30/25 11:57	1
Y Carrier	84.5		30 - 110					01/20/25 08:51	01/30/25 11:57	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.452	U	0.377	0.379	5.00	0.589	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 52

Lab Sample ID: 500-262718-19

Date Collected: 01/15/25 12:45

Matrix: Water

Date Received: 01/16/25 12:17

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	0.236		0.101	0.103	1.00	0.102	pCi/L	01/20/25 08:44	02/11/25 16:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		30 - 110					01/20/25 08:44	02/11/25 16:59	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	0.751		0.497	0.502	1.00	0.738	pCi/L	01/20/25 08:51	01/30/25 11:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		30 - 110					01/20/25 08:51	01/30/25 11:57	1
Y Carrier	71.4		30 - 110					01/20/25 08:51	01/30/25 11:57	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.987		0.507	0.512	5.00	0.738	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 21R

Lab Sample ID: 500-262718-25

Date Collected: 01/16/25 14:00

Matrix: Water

Date Received: 01/17/25 12:24

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	0.619		0.142	0.152	1.00	0.0966	pCi/L	01/21/25 08:27	02/12/25 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					01/21/25 08:27	02/12/25 07:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.390	U	0.388	0.390	1.00	0.623	pCi/L	01/21/25 08:32	01/31/25 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					01/21/25 08:32	01/31/25 11:49	1
Y Carrier	74.4		30 - 110					01/21/25 08:32	01/31/25 11:49	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	1.01		0.413	0.419	5.00	0.623	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 35

Lab Sample ID: 500-262718-26

Date Collected: 01/16/25 11:15

Matrix: Water

Date Received: 01/17/25 12:24

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	0.176		0.0956	0.0969	1.00	0.121	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.3		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.339	U	0.421	0.422	1.00	0.698	pCi/L	01/21/25 08:32	01/31/25 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.3		30 - 110					01/21/25 08:32	01/31/25 11:49	1
Y Carrier	82.6		30 - 110					01/21/25 08:32	01/31/25 11:49	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	0.515	U	0.432	0.433	5.00	0.698	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 35_FD

Date Collected: 01/16/25 11:20

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-27

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.167		0.0979	0.0991	1.00	0.132	pCi/L	01/21/25 08:27	02/12/25 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/21/25 08:27	02/12/25 07:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.262	U	0.384	0.384	1.00	0.649	pCi/L	01/21/25 08:32	01/31/25 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/21/25 08:32	01/31/25 11:49	1
Y Carrier	77.4		30 - 110					01/21/25 08:32	01/31/25 11:49	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	0.429	U	0.396	0.397	5.00	0.649	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 46

Lab Sample ID: 500-262718-29

Date Collected: 01/16/25 12:35

Matrix: Water

Date Received: 01/17/25 12:24

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	0.0851	U	0.0750	0.0754	1.00	0.112	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.8		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.371	U	0.465	0.466	1.00	0.771	pCi/L	01/21/25 08:32	01/31/25 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.8		30 - 110					01/21/25 08:32	01/31/25 11:49	1
Y Carrier	70.3		30 - 110					01/21/25 08:32	01/31/25 11:49	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	0.456	U	0.471	0.472	5.00	0.771	pCi/L		02/12/25 13:50	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 50

Lab Sample ID: 500-262718-31

Date Collected: 01/16/25 15:20

Matrix: Water

Date Received: 01/17/25 12:24

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.291		0.111	0.114	1.00	0.104	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.7		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.43		0.644	0.657	1.00	0.877	pCi/L	01/21/25 08:32	01/31/25 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.7		30 - 110					01/21/25 08:32	01/31/25 11:50	1
Y Carrier	70.7		30 - 110					01/21/25 08:32	01/31/25 11:50	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.72		0.653	0.667	5.00	0.877	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 51

Lab Sample ID: 500-262718-32

Date Collected: 01/16/25 09:55

Matrix: Water

Date Received: 01/17/25 12:24

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	0.692		0.149	0.162	1.00	0.0921	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.329	U	0.381	0.382	1.00	0.624	pCi/L	01/21/25 08:32	01/31/25 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/21/25 08:32	01/31/25 11:50	1
Y Carrier	74.0		30 - 110					01/21/25 08:32	01/31/25 11:50	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.02		0.409	0.415	5.00	0.624	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 07

Lab Sample ID: 500-262718-33

Date Collected: 01/17/25 07:10

Matrix: Water

Date Received: 01/17/25 14:00

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	0.154		0.0746	0.0759	1.00	0.0808	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.918		0.469	0.477	1.00	0.672	pCi/L	01/21/25 08:32	01/31/25 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					01/21/25 08:32	01/31/25 11:50	1
Y Carrier	79.3		30 - 110					01/21/25 08:32	01/31/25 11:50	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.07		0.475	0.483	5.00	0.672	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 08

Lab Sample ID: 500-262718-34

Date Collected: 01/17/25 08:10

Matrix: Water

Date Received: 01/17/25 14:00

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	0.0948	U	0.0870	0.0874	1.00	0.136	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.696		0.400	0.405	1.00	0.578	pCi/L	01/21/25 08:32	01/31/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					01/21/25 08:32	01/31/25 11:45	1
Y Carrier	78.9		30 - 110					01/21/25 08:32	01/31/25 11:45	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.791		0.409	0.414	5.00	0.578	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 16

Lab Sample ID: 500-262718-35

Date Collected: 01/17/25 09:05

Matrix: Water

Date Received: 01/17/25 14:00

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	0.0861	U	0.0672	0.0677	1.00	0.0953	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.469	U	0.414	0.417	1.00	0.649	pCi/L	01/21/25 08:32	01/31/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/21/25 08:32	01/31/25 11:45	1
Y Carrier	71.4		30 - 110					01/21/25 08:32	01/31/25 11:45	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.555	U	0.419	0.422	5.00	0.649	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2505
SDG: HEN_000_RAD

Client Sample ID: 16_FD
Date Collected: 01/17/25 09:10
Date Received: 01/17/25 14:00

Lab Sample ID: 500-262718-36
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	0.0252	U	0.0774	0.0774	1.00	0.144	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.540	U	0.489	0.492	1.00	0.773	pCi/L	01/21/25 08:32	01/31/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		30 - 110					01/21/25 08:32	01/31/25 11:45	1
Y Carrier	70.3		30 - 110					01/21/25 08:32	01/31/25 11:45	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.565	U	0.495	0.498	5.00	0.773	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 23

Lab Sample ID: 500-262718-37

Date Collected: 01/17/25 10:45

Matrix: Water

Date Received: 01/17/25 14:00

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	0.176		0.0872	0.0887	1.00	0.0996	pCi/L	01/21/25 08:27	02/12/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/21/25 08:27	02/12/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.175	U	0.443	0.443	1.00	0.780	pCi/L	01/21/25 08:32	01/31/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/21/25 08:32	01/31/25 11:45	1
Y Carrier	71.4		30 - 110					01/21/25 08:32	01/31/25 11:45	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.351	U	0.452	0.452	5.00	0.780	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: 49

Lab Sample ID: 500-262718-38

Date Collected: 01/17/25 10:00

Matrix: Water

Date Received: 01/17/25 14:00

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	0.111		0.0795	0.0801	1.00	0.110	pCi/L	01/21/25 08:34	02/12/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					01/21/25 08:34	02/12/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.351	U	0.297	0.299	1.00	0.459	pCi/L	01/21/25 08:38	02/05/25 11:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					01/21/25 08:38	02/05/25 11:19	1
Y Carrier	83.0		30 - 110					01/21/25 08:38	02/05/25 11:19	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	0.463		0.307	0.310	5.00	0.459	pCi/L		02/12/25 13:51	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

Client Sample ID: FB

Lab Sample ID: 500-262718-39

Date Collected: 01/17/25 10:00

Matrix: Water

Date Received: 01/17/25 14:00

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	0.0242	U	0.0716	0.0717	1.00	0.133	pCi/L	01/21/25 08:34	02/12/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					01/21/25 08:34	02/12/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.286	U	0.334	0.335	1.00	0.550	pCi/L	01/21/25 08:38	02/05/25 11:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					01/21/25 08:38	02/05/25 11:19	1
Y Carrier	83.7		30 - 110					01/21/25 08:38	02/05/25 11:19	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	0.310	U	0.342	0.343	5.00	0.550	pCi/L		02/12/25 13:51	1

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25-002-005
SDG: HEN_000_RAD

Qualifiers

Rad

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-000-25Q1
SDG: HEN_000_RAD

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

Rad

Prep Batch: 698833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	PrecSep-21	
500-262718-3	03R_FD	Total/NA	Water	PrecSep-21	
500-262718-4	08&D	Total/NA	Water	PrecSep-21	
500-262718-5	18&D	Total/NA	Water	PrecSep-21	
MB 160-698833/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-698833/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 698835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-2	03R	Total/NA	Water	PrecSep_0	
500-262718-3	03R_FD	Total/NA	Water	PrecSep_0	
500-262718-4	08&D	Total/NA	Water	PrecSep_0	
500-262718-5	18&D	Total/NA	Water	PrecSep_0	
MB 160-698835/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-698835/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 698836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-6	18#S	Total/NA	Water	PrecSep-21	
500-262718-7	27	Total/NA	Water	PrecSep-21	
500-262718-8	45#S	Total/NA	Water	PrecSep-21	
500-262718-9	54	Total/NA	Water	PrecSep-21	
500-262718-10	54_FD	Total/NA	Water	PrecSep-21	
MB 160-698836/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-698836/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 698837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-6	18#S	Total/NA	Water	PrecSep_0	
500-262718-7	27	Total/NA	Water	PrecSep_0	
500-262718-8	45#S	Total/NA	Water	PrecSep_0	
500-262718-9	54	Total/NA	Water	PrecSep_0	
500-262718-10	54_FD	Total/NA	Water	PrecSep_0	
MB 160-698837/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-698837/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 699121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-12	13	Total/NA	Water	PrecSep-21	
500-262718-13	17	Total/NA	Water	PrecSep-21	
500-262718-14	22	Total/NA	Water	PrecSep-21	
500-262718-15	22&D	Total/NA	Water	PrecSep-21	
500-262718-16	32	Total/NA	Water	PrecSep-21	
500-262718-17	34	Total/NA	Water	PrecSep-21	
500-262718-18	47	Total/NA	Water	PrecSep-21	
500-262718-19	52	Total/NA	Water	PrecSep-21	
MB 160-699121/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-699121/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-262718-13 DU	17	Total/NA	Water	PrecSep-21	

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-202505
SDG: HEN_000_RAD

Rad

Prep Batch: 699122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-12	13	Total/NA	Water	PrecSep_0	
500-262718-13	17	Total/NA	Water	PrecSep_0	
500-262718-14	22	Total/NA	Water	PrecSep_0	
500-262718-15	22&D	Total/NA	Water	PrecSep_0	
500-262718-16	32	Total/NA	Water	PrecSep_0	
500-262718-17	34	Total/NA	Water	PrecSep_0	
500-262718-18	47	Total/NA	Water	PrecSep_0	
500-262718-19	52	Total/NA	Water	PrecSep_0	
MB 160-699122/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-699122/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-262718-13 DU	17	Total/NA	Water	PrecSep_0	

Prep Batch: 699303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-25	21R	Total/NA	Water	PrecSep-21	
500-262718-26	35	Total/NA	Water	PrecSep-21	
500-262718-27	35_FD	Total/NA	Water	PrecSep-21	
500-262718-29	46	Total/NA	Water	PrecSep-21	
500-262718-31	50	Total/NA	Water	PrecSep-21	
500-262718-32	51	Total/NA	Water	PrecSep-21	
500-262718-33	07	Total/NA	Water	PrecSep-21	
500-262718-34	08	Total/NA	Water	PrecSep-21	
500-262718-35	16	Total/NA	Water	PrecSep-21	
500-262718-36	16_FD	Total/NA	Water	PrecSep-21	
500-262718-37	23	Total/NA	Water	PrecSep-21	
MB 160-699303/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-699303/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-262718-25 MS	21R	Total/NA	Water	PrecSep-21	
500-262718-25 MSD	21R	Total/NA	Water	PrecSep-21	

Prep Batch: 699304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-25	21R	Total/NA	Water	PrecSep_0	
500-262718-26	35	Total/NA	Water	PrecSep_0	
500-262718-27	35_FD	Total/NA	Water	PrecSep_0	
500-262718-29	46	Total/NA	Water	PrecSep_0	
500-262718-31	50	Total/NA	Water	PrecSep_0	
500-262718-32	51	Total/NA	Water	PrecSep_0	
500-262718-33	07	Total/NA	Water	PrecSep_0	
500-262718-34	08	Total/NA	Water	PrecSep_0	
500-262718-35	16	Total/NA	Water	PrecSep_0	
500-262718-36	16_FD	Total/NA	Water	PrecSep_0	
500-262718-37	23	Total/NA	Water	PrecSep_0	
MB 160-699304/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-699304/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-262718-25 MS	21R	Total/NA	Water	PrecSep_0	
500-262718-25 MSD	21R	Total/NA	Water	PrecSep_0	

Prep Batch: 699305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-38	49	Total/NA	Water	PrecSep-21	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-25Q1
SDG: HEN_000_RAD

Rad (Continued)

Prep Batch: 699305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-39	FB	Total/NA	Water	PrecSep-21	
MB 160-699305/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-699305/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-262718-38 MS	49	Total/NA	Water	PrecSep-21	
500-262718-38 MSD	49	Total/NA	Water	PrecSep-21	

Prep Batch: 699308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262718-38	49	Total/NA	Water	PrecSep_0	
500-262718-39	FB	Total/NA	Water	PrecSep_0	
MB 160-699308/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-699308/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-262718-38 MS	49	Total/NA	Water	PrecSep_0	
500-262718-38 MSD	49	Total/NA	Water	PrecSep_0	

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-2
HEN-25Q1-2025-005
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-698833/1-A
Matrix: Water
Analysis Batch: 702289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 698833

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01282	U	0.0521	0.0521	1.00	0.102	pCi/L	01/17/25 08:55	02/10/25 17:18	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					01/17/25 08:55	02/10/25 17:18	1

Lab Sample ID: LCS 160-698833/2-A
Matrix: Water
Analysis Batch: 702289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 698833

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.009		0.964	1.00	0.104	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	81.9		30 - 110							

Lab Sample ID: MB 160-698836/1-A
Matrix: Water
Analysis Batch: 702486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 698836

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.004864	U	0.0459	0.0459	1.00	0.0940	pCi/L	01/17/25 09:01	02/11/25 14:37	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					01/17/25 09:01	02/11/25 14:37	1

Lab Sample ID: LCS 160-698836/2-A
Matrix: Water
Analysis Batch: 702280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 698836

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.899		1.03	1.00	0.108	pCi/L	103	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	89.3		30 - 110							

Lab Sample ID: MB 160-699121/1-A
Matrix: Water
Analysis Batch: 702492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699121

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01978	U	0.0602	0.0603	1.00	0.130	pCi/L	01/20/25 08:44	02/11/25 14:47	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

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

Lab Sample ID: MB 160-699121/1-A
Matrix: Water
Analysis Batch: 702492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699121

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	83.2		30 - 110

Prepared	Analyzed	Dil Fac
01/20/25 08:44	02/11/25 14:47	1

Lab Sample ID: LCS 160-699121/2-A
Matrix: Water
Analysis Batch: 702492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699121

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.501		1.01	1.00	0.105	pCi/L	99	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	81.4		30 - 110

Lab Sample ID: 500-262718-13 DU
Matrix: Water
Analysis Batch: 702516

Client Sample ID: 17
Prep Type: Total/NA
Prep Batch: 699121

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0761	U	0.1431		0.0874	1.00	0.115	pCi/L	0.44	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	78.6		30 - 110

Lab Sample ID: MB 160-699303/1-A
Matrix: Water
Analysis Batch: 702704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699303

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02736	U	0.0786	0.0786	1.00	0.143	pCi/L	01/21/25 08:27	02/12/25 07:30	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	84.4		30 - 110

Prepared	Analyzed	Dil Fac
01/21/25 08:27	02/12/25 07:30	1

Lab Sample ID: LCS 160-699303/2-A
Matrix: Water
Analysis Batch: 702704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699303

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.783		1.02	1.00	0.111	pCi/L	102	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	89.5		30 - 110

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

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

Lab Sample ID: 500-262718-25 MS
Matrix: Water
Analysis Batch: 702690

Client Sample ID: 21R
Prep Type: Total/NA
Prep Batch: 699303

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.619		9.56	10.62		1.12	1.00	0.122	pCi/L	105	60 - 140		
MS MS													
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	79.8		30 - 110										

Lab Sample ID: 500-262718-25 MSD
Matrix: Water
Analysis Batch: 702690

Client Sample ID: 21R
Prep Type: Total/NA
Prep Batch: 699303

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	0.619		9.55	10.49		1.11	1.00	0.142	pCi/L	103	60 - 140	0.06	1
MSD MSD													
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	79.1		30 - 110										

Lab Sample ID: MB 160-699305/1-A
Matrix: Water
Analysis Batch: 702690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699305

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05219	U	0.0734	0.0736	1.00	0.124	pCi/L	01/21/25 08:34	02/12/25 07:44	1
MB MB										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.8		30 - 110							
								Prepared	Analyzed	Dil Fac
								01/21/25 08:34	02/12/25 07:44	1

Lab Sample ID: LCS 160-699305/2-A
Matrix: Water
Analysis Batch: 702690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699305

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	9.58	9.137		0.991	1.00	0.162	pCi/L	95	75 - 125		
LCS LCS											
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	91.6		30 - 110								

Lab Sample ID: 500-262718-38 MS
Matrix: Water
Analysis Batch: 702704

Client Sample ID: 49
Prep Type: Total/NA
Prep Batch: 699305

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.111		9.56	8.919		0.969	1.00	0.114	pCi/L	92	60 - 140		

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

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

Lab Sample ID: 500-262718-38 MS
Matrix: Water
Analysis Batch: 702704

Client Sample ID: 49
Prep Type: Total/NA
Prep Batch: 699305

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	88.3		30 - 110

Lab Sample ID: 500-262718-38 MSD
Matrix: Water
Analysis Batch: 702704

Client Sample ID: 49
Prep Type: Total/NA
Prep Batch: 699305

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	0.111		9.55	8.877		0.969	1.00	0.159	pCi/L	92	60 - 140	0.02	1
	MSD	MSD											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	88.0		30 - 110										

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-698835/1-A
Matrix: Water
Analysis Batch: 700383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 698835

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1078	U	0.347	0.348	1.00	0.621	pCi/L	01/17/25 08:59	01/29/25 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					01/17/25 08:59	01/29/25 12:19	1
Y Carrier	86.4		30 - 110					01/17/25 08:59	01/29/25 12:19	1

Lab Sample ID: LCS 160-698835/2-A
Matrix: Water
Analysis Batch: 700383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 698835

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	8.14	9.888		1.40	1.00	0.628	pCi/L	122	75 - 125		
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	81.9		30 - 110								
Y Carrier	84.1		30 - 110								

Lab Sample ID: MB 160-698837/1-A
Matrix: Water
Analysis Batch: 700295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 698837

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.08901	U	0.375	0.375	1.00	0.712	pCi/L	01/17/25 09:04	01/29/25 12:18	1

Eurofins Chicago

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

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

Lab Sample ID: MB 160-698837/1-A
Matrix: Water
Analysis Batch: 700295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 698837

	MB	MB				
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110	01/17/25 09:04	01/29/25 12:18	1
Y Carrier	85.2		30 - 110	01/17/25 09:04	01/29/25 12:18	1

Lab Sample ID: LCS 160-698837/2-A
Matrix: Water
Analysis Batch: 700383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 698837

		Spike	LCS	LCS	Total							
Analyte		Added	Result	Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Radium-228		8.14	10.74		1.63	1.00	0.756	pCi/L	132	75 - 125		

		LCS	LCS			
Carrier	%Yield	Qualifier	Limits			
Ba Carrier	89.3		30 - 110			
Y Carrier	77.4		30 - 110			

Lab Sample ID: MB 160-699122/1-A
Matrix: Water
Analysis Batch: 700691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699122

		MB	MB	Count	Total							
Analyte	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac		
Radium-228	0.7946		0.387	0.394	1.00	0.516	pCi/L	01/20/25 08:51	01/30/25 11:44	1		

	MB	MB				
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110	01/20/25 08:51	01/30/25 11:44	1
Y Carrier	80.4		30 - 110	01/20/25 08:51	01/30/25 11:44	1

Lab Sample ID: LCS 160-699122/2-A
Matrix: Water
Analysis Batch: 700691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699122

		Spike	LCS	LCS	Total							
Analyte		Added	Result	Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	Limits		
Radium-228		8.14	11.23		1.53	1.00	0.635	pCi/L	138	75 - 125		

		LCS	LCS			
Carrier	%Yield	Qualifier	Limits			
Ba Carrier	81.4		30 - 110			
Y Carrier	78.1		30 - 110			

Lab Sample ID: 500-262718-13 DU
Matrix: Water
Analysis Batch: 700693

Client Sample ID: 17
Prep Type: Total/NA
Prep Batch: 699122

Analyte	Sample	Sample	DU		Total	RL	MDC	Unit			RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)						Limit	
Radium-228	0.835		1.070		0.481	1.00	0.630	pCi/L			0.27	1

Eurofins Chicago

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-262718-13 DU
Matrix: Water
Analysis Batch: 700693

Client Sample ID: 17
Prep Type: Total/NA
Prep Batch: 699122

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	78.6		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-699304/1-A
Matrix: Water
Analysis Batch: 700900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699304

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3315	U	0.381	0.382	1.00	0.625	pCi/L	01/21/25 08:32	01/31/25 11:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					01/21/25 08:32	01/31/25 11:38	1
Y Carrier	74.4		30 - 110					01/21/25 08:32	01/31/25 11:38	1

Lab Sample ID: LCS 160-699304/2-A
Matrix: Water
Analysis Batch: 700900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699304

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.13	11.44		1.53	1.00	0.593	pCi/L	141	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	89.5		30 - 110						
Y Carrier	77.0		30 - 110						

Lab Sample ID: 500-262718-25 MS
Matrix: Water
Analysis Batch: 700902

Client Sample ID: 21R
Prep Type: Total/NA
Prep Batch: 699304

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.390	U	8.11	9.570		1.38	1.00	0.629	pCi/L	113	60 - 140
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	79.8		30 - 110								
Y Carrier	80.4		30 - 110								

Lab Sample ID: 500-262718-25 MSD
Matrix: Water
Analysis Batch: 700902

Client Sample ID: 21R
Prep Type: Total/NA
Prep Batch: 699304

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	0.390	U	8.11	11.89	F1	1.63	1.00	0.668	pCi/L	142	60 - 140	0.77	1

Eurofins Chicago

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1-2025
SDG: HEN_000_RAD

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

Lab Sample ID: 500-262718-25 MSD
Matrix: Water
Analysis Batch: 700902

Client Sample ID: 21R
Prep Type: Total/NA
Prep Batch: 699304

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	79.1		30 - 110
Y Carrier	76.6		30 - 110

Lab Sample ID: MB 160-699308/1-A
Matrix: Water
Analysis Batch: 701662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699308

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2021	U	0.313	0.313	1.00	0.531	pCi/L	01/21/25 08:38	02/05/25 11:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					01/21/25 08:38	02/05/25 11:19	1
Y Carrier	86.0		30 - 110					01/21/25 08:38	02/05/25 11:19	1

Lab Sample ID: LCS 160-699308/2-A
Matrix: Water
Analysis Batch: 701662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699308

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.12	8.719		1.20	1.00	0.501	pCi/L	107	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	91.6		30 - 110						
Y Carrier	85.2		30 - 110						

Lab Sample ID: 500-262718-38 MS
Matrix: Water
Analysis Batch: 701662

Client Sample ID: 49
Prep Type: Total/NA
Prep Batch: 699308

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	0.351	U	8.11	8.990		1.24	1.00	0.498	pCi/L	107	60 - 140
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	88.3		30 - 110								
Y Carrier	84.5		30 - 110								

Lab Sample ID: 500-262718-38 MSD
Matrix: Water
Analysis Batch: 701662

Client Sample ID: 49
Prep Type: Total/NA
Prep Batch: 699308

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
Radium-228	0.351	U	8.10	9.761		1.33	1.00	0.585	pCi/L	116	60 - 140	0.30	1

Eurofins Chicago

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
SDG: HEN_000_RAD

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

Lab Sample ID: 500-262718-38 MSD
Matrix: Water
Analysis Batch: 701662

Client Sample ID: 49
Prep Type: Total/NA
Prep Batch: 699308

Carrier	MSD		Limits
	%Yield	Qualifier	
Ba Carrier	88.0		30 - 110
Y Carrier	84.9		30 - 110

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-000-2905
SDG: HEN_000_RAD

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

Client Sample ID: 03R

Date Collected: 01/14/25 09:15

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698833	OGC	EET SL	01/17/25 08:55
Total/NA	Analysis	903.0		1	702279	CMM	EET SL	02/10/25 17:23
Total/NA	Prep	PrecSep_0			698835	OGC	EET SL	01/17/25 08:59
Total/NA	Analysis	904.0		1	700385	SWS	EET SL	01/29/25 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:46

Client Sample ID: 03R_FD

Date Collected: 01/14/25 09:20

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698833	OGC	EET SL	01/17/25 08:55
Total/NA	Analysis	903.0		1	702279	CMM	EET SL	02/10/25 17:23
Total/NA	Prep	PrecSep_0			698835	OGC	EET SL	01/17/25 08:59
Total/NA	Analysis	904.0		1	700385	SWS	EET SL	01/29/25 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 08&D

Date Collected: 01/14/25 13:45

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698833	OGC	EET SL	01/17/25 08:55
Total/NA	Analysis	903.0		1	702279	CMM	EET SL	02/10/25 17:23
Total/NA	Prep	PrecSep_0			698835	OGC	EET SL	01/17/25 08:59
Total/NA	Analysis	904.0		1	700385	SWS	EET SL	01/29/25 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 18&D

Date Collected: 01/14/25 10:41

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698833	OGC	EET SL	01/17/25 08:55
Total/NA	Analysis	903.0		1	702279	CMM	EET SL	02/10/25 17:23
Total/NA	Prep	PrecSep_0			698835	OGC	EET SL	01/17/25 08:59
Total/NA	Analysis	904.0		1	700385	SWS	EET SL	01/29/25 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-25Q1
SDG: HEN_000_RAD

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

Client Sample ID: 18#S

Date Collected: 01/14/25 12:10

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698836	OGC	EET SL	01/17/25 09:01
Total/NA	Analysis	903.0		1	702280	CMM	EET SL	02/10/25 17:21
Total/NA	Prep	PrecSep_0			698837	OGC	EET SL	01/17/25 09:04
Total/NA	Analysis	904.0		1	700295	FLC	EET SL	01/29/25 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 27

Date Collected: 01/14/25 16:30

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698836	OGC	EET SL	01/17/25 09:01
Total/NA	Analysis	903.0		1	702486	SWS	EET SL	02/11/25 14:37
Total/NA	Prep	PrecSep_0			698837	OGC	EET SL	01/17/25 09:04
Total/NA	Analysis	904.0		1	700295	FLC	EET SL	01/29/25 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 45#S

Date Collected: 01/14/25 14:10

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698836	OGC	EET SL	01/17/25 09:01
Total/NA	Analysis	903.0		1	702486	SWS	EET SL	02/11/25 14:37
Total/NA	Prep	PrecSep_0			698837	OGC	EET SL	01/17/25 09:04
Total/NA	Analysis	904.0		1	700295	FLC	EET SL	01/29/25 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 54

Date Collected: 01/14/25 15:30

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698836	OGC	EET SL	01/17/25 09:01
Total/NA	Analysis	903.0		1	702486	SWS	EET SL	02/11/25 14:38
Total/NA	Prep	PrecSep_0			698837	OGC	EET SL	01/17/25 09:04
Total/NA	Analysis	904.0		1	700295	FLC	EET SL	01/29/25 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-000-2905
SDG: HEN_000_RAD

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

Client Sample ID: 54_FD

Date Collected: 01/14/25 15:40

Date Received: 01/15/25 12:16

Lab Sample ID: 500-262718-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			698836	OGC	EET SL	01/17/25 09:01
Total/NA	Analysis	903.0		1	702486	SWS	EET SL	02/11/25 14:38
Total/NA	Prep	PrecSep_0			698837	OGC	EET SL	01/17/25 09:04
Total/NA	Analysis	904.0		1	700295	FLC	EET SL	01/29/25 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 13

Date Collected: 01/15/25 14:05

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702516	CMM	EET SL	02/11/25 14:45
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700691	FLC	EET SL	01/30/25 11:45
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 17

Date Collected: 01/15/25 12:20

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702516	CMM	EET SL	02/11/25 14:45
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700691	FLC	EET SL	01/30/25 11:46
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 22

Date Collected: 01/15/25 08:45

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702516	CMM	EET SL	02/11/25 14:46
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700693	FLC	EET SL	01/30/25 11:56
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-000-2905
SDG: HEN_000_RAD

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

Client Sample ID: 22&D

Date Collected: 01/15/25 09:40

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702516	CMM	EET SL	02/11/25 14:46
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700693	FLC	EET SL	01/30/25 11:56
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 32

Date Collected: 01/15/25 16:10

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702516	CMM	EET SL	02/11/25 14:46
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700693	FLC	EET SL	01/30/25 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 34

Date Collected: 01/15/25 14:50

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702516	CMM	EET SL	02/11/25 14:46
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700693	FLC	EET SL	01/30/25 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 47

Date Collected: 01/15/25 11:35

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702492	SWS	EET SL	02/11/25 16:59
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700693	FLC	EET SL	01/30/25 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

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

Job ID: 500-262718-2
SDG: HEN_000_RAD

Client Sample ID: 52

Date Collected: 01/15/25 12:45

Date Received: 01/16/25 12:17

Lab Sample ID: 500-262718-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699121	OGC	EET SL	01/20/25 08:44
Total/NA	Analysis	903.0		1	702492	SWS	EET SL	02/11/25 16:59
Total/NA	Prep	PrecSep_0			699122	OGC	EET SL	01/20/25 08:51
Total/NA	Analysis	904.0		1	700693	FLC	EET SL	01/30/25 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 21R

Date Collected: 01/16/25 14:00

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:42
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 35

Date Collected: 01/16/25 11:15

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 35_FD

Date Collected: 01/16/25 11:20

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:42
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-000-2905
SDG: HEN_000_RAD

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

Client Sample ID: 46

Date Collected: 01/16/25 12:35

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:50

Client Sample ID: 50

Date Collected: 01/16/25 15:20

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Client Sample ID: 51

Date Collected: 01/16/25 09:55

Date Received: 01/17/25 12:24

Lab Sample ID: 500-262718-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Client Sample ID: 07

Date Collected: 01/17/25 07:10

Date Received: 01/17/25 14:00

Lab Sample ID: 500-262718-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700902	FLC	EET SL	01/31/25 11:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4

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

Job ID: 500-262718-2
SDG: HEN_000_RAD

Client Sample ID: 08

Lab Sample ID: 500-262718-34

Date Collected: 01/17/25 08:10

Matrix: Water

Date Received: 01/17/25 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700901	FLC	EET SL	01/31/25 11:45
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Client Sample ID: 16

Lab Sample ID: 500-262718-35

Date Collected: 01/17/25 09:05

Matrix: Water

Date Received: 01/17/25 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700901	FLC	EET SL	01/31/25 11:45
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Client Sample ID: 16_FD

Lab Sample ID: 500-262718-36

Date Collected: 01/17/25 09:10

Matrix: Water

Date Received: 01/17/25 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700901	FLC	EET SL	01/31/25 11:45
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Client Sample ID: 23

Lab Sample ID: 500-262718-37

Date Collected: 01/17/25 10:45

Matrix: Water

Date Received: 01/17/25 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699303	OGC	EET SL	01/21/25 08:27
Total/NA	Analysis	903.0		1	702690	SWS	EET SL	02/12/25 07:43
Total/NA	Prep	PrecSep_0			699304	OGC	EET SL	01/21/25 08:32
Total/NA	Analysis	904.0		1	700901	FLC	EET SL	01/31/25 11:45
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
HEN-000-2905
SDG: HEN_000_RAD

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

Client Sample ID: 49

Date Collected: 01/17/25 10:00

Date Received: 01/17/25 14:00

Lab Sample ID: 500-262718-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699305	OGC	EET SL	01/21/25 08:34
Total/NA	Analysis	903.0		1	702704	SWS	EET SL	02/12/25 09:15
Total/NA	Prep	PrecSep_0			699308	OGC	EET SL	01/21/25 08:38
Total/NA	Analysis	904.0		1	701662	SWS	EET SL	02/05/25 11:19
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Client Sample ID: FB

Date Collected: 01/17/25 10:00

Date Received: 01/17/25 14:00

Lab Sample ID: 500-262718-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			699305	OGC	EET SL	01/21/25 08:34
Total/NA	Analysis	903.0		1	702704	SWS	EET SL	02/12/25 09:15
Total/NA	Prep	PrecSep_0			699308	OGC	EET SL	01/21/25 08:38
Total/NA	Analysis	904.0		1	701662	SWS	EET SL	02/05/25 11:19
Total/NA	Analysis	Ra226_Ra228 Pos		1	702692	FLC	EET SL	02/12/25 13:51

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

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

ATTACHMENT B.
15 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 590-262718-2
HEN-25-002905
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	11-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228
Ra226_Ra228 Pos		Water	Radium 226 and 228

500-262718

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	Vistra Corp-Hennepin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address	13498 E 800th St	Copy To:	Sam Davies samanthal.davies@vistracorp.com	Company Name	Vistra Corp
	Hennepin, IL 61327		Jason Sluckey & Michael Olie	Address	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.	michael.olie@vistracorp.com	Quote Reference:	
Phone	(217) 753-8911 Fax:	Project Name:	Jason.Sluckey@vistracorp.com	Project Manager:	
Requested Due Date/TAT	10 day	Project Number:	50024191	Profile #	

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

Section D Required Client Information		Valid Matrix Codes		Requested Analysis Filtered (Y/N)	
SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE		MATRIX CODE (see valid codes to left)		SAMPLE TEMP AT COLLECTION	
ITEM #		DATE		TIME	
1		11/14/25		1410	
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ATTACHMENT B.
 3RD QUARTERLY REPORT - QUARTER 1, 2025
 HENNEPIN POWER PLANT, ASH POND NO. 4 AND NO. 5
 HEN-045-802-805

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

500-262718 COC

Page 1 of 4

Section C

Invoice Information:

Company: <u>Vistra Corp-Hennepin</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Brian Voelker</u>		REGULATORY AGENCY		
Address <u>13498 E 800th St</u>		Copy To: <u>Sam Davies samantha.davies@vistracorp.com</u>		Company Name <u>Vistra Corp</u>				
<u>Hennepin, IL 61327</u>		<u>Jason Stuckey & Michael Olle</u>		Address <u>see Section A</u>		NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No. <u>michael.olle@vistracorp.com</u>		Quote Reference:		UST	RCRA	OTHER
Phone: <u>(217) 753-8911</u>	Fax:	Project Name <u>Jason.Stuckey@vistracorp.com</u>		Project Manager:		Site Location	IL	
Requested Due Date/TAT <u>10 day</u>		Project Number: <u>50024191</u>		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</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-000	HEN-000-RAD	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		02														A							X			SHORT HOLD - NO2					
2		03R														B	X		X			X		X		SHORT HOLD - NO2					
3		03R_FD														B	X		X			X		X		SHORT HOLD - NO2					
4		05BR				GA										E		X				X				SHORT HOLD - NO2					
5		05LR														E		X			X					SHORT HOLD - NO2					
6		07														B	X	X	X	X		X	X		X		SHORT HOLD - NO2				
7		08														C	X	X	X	X		X	X	X		X		SHORT HOLD - NO2			
8		08&D														C	X	X	X	X		X	X	X		X		SHORT HOLD - NO2			
9		10				1/15/25	1825									D					X			X			SHORT HOLD - NO2				
10		12														F	X			X		X		X			SHORT HOLD - NO2				
11		13				1/15/25	1405									F	X			X		X		X			SHORT HOLD - NO2				
12		16														G	X	X		X			X								
13		16 FD														G	X	X		X			X								
14		17				1/15/25	1220									G	X	X		X			X								
15		18&D														B	X		X			X		X			SHORT HOLD - NO2				
16		18S														B	X		X			X		X			SHORT HOLD - NO2				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																	
HEN-25Q1 Rev 0		George Asallan / ASE		1/10/25		0800		J. J. [Signature]		1/16/25		10 20																			
		[Signature]		1/16/25		1212		Stephanie Hemond [Signature]		1/16/25		1217																			

$$2.7 + 2.6, 3.3 + 3.2, 4.0 + 3.9$$

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on file (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER	George Asalley				
SIGNATURE of SAMPLER	 DATE Signed (MM/DD/YY) 1/16/25				

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
HEN-845-802-805
500-20219

Section A

Required Client Information:

Company: Vistra Corp-Hennepin
Address: 13498 E 800th St
Hennepin, IL 61327
Email To: Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911 Fax: _____
Requested Due Date/TAT: 10 day

Section B

Required Project Information:

Report To: Brian Voelker
Copy To: Sam Davies samantha.davies@visstracorp.com
Jason Stuckey & Michael Olle
Purchase Order No. michael.olle@visstracorp.com
Project Name: Jason.Stuckey@visstracorp.com
Project Number: 50024191

Section C

Invoice Information:

Attention: Brian Voelker
Company Name: Vistra Corp
Address: see Section A
Quote Reference: _____
Project Manager: _____
Profile #: _____

Page 3 of 4

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Y/N ↓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
HEN-25Q1 Rev 0	George Asally ASE	1/16/25	0300	Stephanie Hernandez EETA	1/16/25	1020				
	Stephanie Hernandez EETA	1/16/25	1213							
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 George Asally										
SIGNATURE of SAMPLER [Signature]										
DATE Signed (MM/DD/YY) 1/16/25										

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

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Page 4 of 4

Page 4 of 4Page 4 of 4

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

Invoice information:

Page 1 of 4

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

23 → 22, 49 → 48, 29 → 28	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>George Annally</i>					
	SIGNATURE of SAMPLER <i>[Signature]</i>	DATE Signed (MM/DD/YY) <i>1/17/25</i>				

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

Section C
Invoice Information:

Page 2 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Y/N ↓	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-000	HEN-000-RAD	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		21R			1/16/25	1400												H	X							X	X		MS/MSD			
2		22																H	X							X	X					
3		22&D																H	X							X	X					
4		23																H	X							X	X					
5		25																J								X			DTW Only			
6		26																J								X			DTW Only			
7		27																H	X							X	X					
8		30																J								X			DTW Only			
9		31																J								X			DTW Only			
10		32																H	X							X	X					
11		33																J								X			DTW Only			
12		34																H	X							X	X					
13		35			1/16/25	1115												H	X							X	X					
14		35 FD			1/16/25	1120												H	X							X	X					
15		36																J								X			DTW Only			
16		40#S			1/16/25	1040												E		X						X			SHORT HOLD - NO2			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																			
HEN-25Q1 Rev 0			George Avalon/AJE			1/17/25	0800	[Signature]			1/17/25	1027																				
			[Signature]			1/17/25	1224	[Signature]			1/17/25	1224																				

02/12/25

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Page 3 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab ID
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		HEN-000	HEN-000-RAD	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		46#S													B	X		X			X													SHORT HOLD - NO2	
2		46			1/16/25	1235									G	X			X		X														
3		47													G	X			X		X														
4		48R			1/16/25	1155									I		X																		
5		49													H	X			X			X												MS/MSD	
6		50			1/16/25	1520									H	X			X			X													
7		51			1/16/25	0955									H	X			X			X													
8		52													G	X			X			X													
9		54													G	X			X			X													
10		54 FD													G	X			X			X													
11		55													J				X			X												DTW Only	
12		SG02													J		X	X	X	X	X	X	X	X	X									DTW Only (YSG_ILRiver)	
13		XPW01													G				X			X													
14		XPW02													G				X			X													
15		XPW03													G				X			X													
16		XSG01													J				X			X												DTW Only	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																									
HEN-25Q1 Rev 0		George Ansalley / AGE		1/17/25	0800	[Signature]		1/17/25	1027																										
		[Signature]		1/17/25	1224	[Signature]		1/17/25	1224																										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on (mm/yy)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER <i>George Asaally</i>					
SIGNATURE of SAMPLER: <i>George Asaally</i>	DATE Signed (MM/DD/YY) <i>11/17/25</i>				

CHAIN-OF-CUSTODY / Analytical Request Document

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

500-262718



Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Hennepin	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	13498 E 800th St	Copy To:	Sam Davies samanthal.davies@vistracorp.com	Company Name:	Vistra Corp
	Hennepin, IL 61327		Jason Sluckey & Michael Olie	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No:	michael.olie@vistracorp.com	Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	Jason.Sluckey@vistracorp.com	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	50024191	Profile #:	

500-262718 COC

REGULATORY AGENCY	
NPDES	GROUND WATER
UST	RCRA
OTHER	DRINKING WATER

Site Location	IL
STATE:	

Requested Analysis is Filtered (Y/N)

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WT WATER P PRODUCT P SOIL/SOLID OIL WIPE AIR TSS TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Y/N	HEN-000-RAD	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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on	Custody	Sealed Cooler	Samples
HEN-25Q1 Rev 0	Corne Filer	11/25	1400	Corne Filer	11/25	1400	1400				

508+5.7, 4.6+4.5, 2.0+2.1
2.0+1.9

Corne Filer
DATE SIGNED (MM/DD/YY)
11/25

570-26718

Page 2 of 4

Section C
Invoice Information: Page 2 of 4

Section D Required Client Information						Requested Analysis Filtered (Y/N)							Project No./ Lab I.D.																
ITEM #	Valid Matrix Codes		MATRIX CODE	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N ↑	HEN-000-RAD	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	Residual Chlorine (Y/N)	
	DW DRINKING WATER	WW WASTE WATER	P PRODUCT	SL SOLID	OL OIL	WP WPE	AR AIRER	TS TISSUE	H ₂ O ₂	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other														
1	21R														X								X						MS/MSD
2	22														X								X						
3	-22&D														X								X						
4	23														X								X						
5	25														J								X						
6	26														J														DTW Only
7	27														H								X						DTW Only
8	30														J								X						DTW Only
9	31														J								X						DTW Only
10	32														H								X						DTW Only
11	33														J								X						DTW Only
12	34														H								X						DTW Only
13	35														H								X						DTW Only
14	35 FD														H								X						DTW Only
15	36														J								X						DTW Only
16	40HS														E								X						SHORT HOLD - NO2

ADDITIONAL COMMENTS

HEN-25Q1 Rev 0

RELINQUISHED BY / AFFILIATION: [Signature] DATE: 11/17/25

ACCEPTED BY / AFFILIATION: [Signature] DATE: 11/17/25

TIME: 1400

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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dbn 01/17/2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
HEN-845-802-805

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-262718-2
SDG Number: HEN_000_RAD

Login Number: 262718

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2,0.1,1.2,2.6,3.2,3.9,2.2,4.8,2.8,5.7,4.5,1.9
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.	False	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
HEN-845-802-805

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-262718-2
SDG Number: HEN_000_RAD

Login Number: 262718

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 01/16/25 12:43 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
HEN-845-802-805

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-262718-2
SDG Number: HEN_000_RAD

Login Number: 262718

List Number: 5

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 01/17/25 01:00 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
HEN-845-802-805

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-262718-2
SDG Number: HEN_000_RAD

Login Number: 262718

List Number: 7

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 01/20/25 12:50 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
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)					
500-262718-2	03R	88.5					
500-262718-3	03R_FD	82.7					
500-262718-4	08&D	94.1					
500-262718-5	18&D	81.1					
500-262718-6	18#S	86.7					
500-262718-7	27	73.5					
500-262718-8	45#S	87.0					
500-262718-9	54	94.6					
500-262718-10	54_FD	97.2					
500-262718-12	13	83.4					
500-262718-13	17	85.5					
500-262718-13 DU	17	78.6					
500-262718-14	22	74.5					
500-262718-15	22&D	78.3					
500-262718-16	32	81.1					
500-262718-17	34	78.6					
500-262718-18	47	77.8					
500-262718-19	52	73.5					
500-262718-25	21R	87.5					
500-262718-25 MS	21R	79.8					
500-262718-25 MSD	21R	79.1					
500-262718-26	35	78.3					
500-262718-27	35_FD	80.4					
500-262718-29	46	75.8					
500-262718-31	50	72.7					
500-262718-32	51	84.2					
500-262718-33	07	94.4					
500-262718-34	08	92.1					
500-262718-35	16	82.7					
500-262718-36	16_FD	73.5					
500-262718-37	23	80.4					
500-262718-38	49	89.3					
500-262718-38 MS	49	88.3					
500-262718-38 MSD	49	88.0					
500-262718-39	FB	85.5					
LCS 160-698833/2-A	Lab Control Sample	81.9					
LCS 160-698836/2-A	Lab Control Sample	89.3					
LCS 160-699121/2-A	Lab Control Sample	81.4					
LCS 160-699303/2-A	Lab Control Sample	89.5					
LCS 160-699305/2-A	Lab Control Sample	91.6					
MB 160-698833/1-A	Method Blank	81.1					
MB 160-698836/1-A	Method Blank	88.3					
MB 160-699121/1-A	Method Blank	83.2					
MB 160-699303/1-A	Method Blank	84.4					
MB 160-699305/1-A	Method Blank	90.8					

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
HENNEPIN POWER PLANT, ASH PONDS NO. 2 AND NO. 4
Job ID: 500-262718-2
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)
500-262718-2	03R	88.5	82.2
500-262718-3	03R_FD	82.7	84.9
500-262718-4	08&D	94.1	84.9
500-262718-5	18&D	81.1	89.0
500-262718-6	18#S	86.7	79.6
500-262718-7	27	73.5	80.4
500-262718-8	45#S	87.0	81.1
500-262718-9	54	94.6	80.7
500-262718-10	54_FD	97.2	83.0
500-262718-12	13	83.4	78.1
500-262718-13	17	85.5	80.4
500-262718-13 DU	17	78.6	81.9
500-262718-14	22	74.5	78.5
500-262718-15	22&D	78.3	77.4
500-262718-16	32	81.1	77.4
500-262718-17	34	78.6	78.5
500-262718-18	47	77.8	84.5
500-262718-19	52	73.5	71.4
500-262718-25	21R	87.5	74.4
500-262718-25 MS	21R	79.8	80.4
500-262718-25 MSD	21R	79.1	76.6
500-262718-26	35	78.3	82.6
500-262718-27	35_FD	80.4	77.4
500-262718-29	46	75.8	70.3
500-262718-31	50	72.7	70.7
500-262718-32	51	84.2	74.0
500-262718-33	07	94.4	79.3
500-262718-34	08	92.1	78.9
500-262718-35	16	82.7	71.4
500-262718-36	16_FD	73.5	70.3
500-262718-37	23	80.4	71.4
500-262718-38	49	89.3	83.0
500-262718-38 MS	49	88.3	84.5
500-262718-38 MSD	49	88.0	84.9
500-262718-39	FB	85.5	83.7
LCS 160-698835/2-A	Lab Control Sample	81.9	84.1
LCS 160-698837/2-A	Lab Control Sample	89.3	77.4
LCS 160-699122/2-A	Lab Control Sample	81.4	78.1
LCS 160-699304/2-A	Lab Control Sample	89.5	77.0
LCS 160-699308/2-A	Lab Control Sample	91.6	85.2
MB 160-698835/1-A	Method Blank	81.1	86.4
MB 160-698837/1-A	Method Blank	88.3	85.2
MB 160-699122/1-A	Method Blank	83.2	80.4
MB 160-699304/1-A	Method Blank	84.4	74.4
MB 160-699308/1-A	Method Blank	90.8	86.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION															
Site: <u>Hennepin</u>			Client: <u>Vistra</u>			Project Number: <u>2025</u>			Task #: _____			Start Date: <u>1/13/2025</u>		Time: <u>0835</u>	
Field Personnel: <u>G. F. Sullivan</u>			Finish Date: <u>1/13/25</u>			Time: _____									
WELL INFORMATION						EVENT TYPE									
Well ID: <u>3R</u>						Well Development				Low Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>4590</u>		
Casing ID: _____ Inches						Well Volume Approach Sampling				(Specify): Low Flow			Heron Serial NO: <u>4656</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) m 3% dbn 01/28/25	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity			
Pre	0	<u>0840</u>							<u>4.22</u>						
Purge	5	<u>0845</u>		<u>36.70</u>		<u>15.3</u>	<u>7.34</u>	<u>1.720</u>	<u>4.53</u>	<u>6.58</u>	<u>-10.7</u>	<u>Clear</u>			
↓	10														
↓	15	<u>0855</u>	<u>2</u>	<u>36.69</u>		<u>16.1</u>	<u>7.34</u>	<u>1.749</u>	<u>1.07</u>	<u>8.52</u>	<u>23.9</u>	↓			
*****	20	<u>0900</u>	<u>2.5</u>	<u>36.72</u>		<u>16.2</u>	<u>7.33</u>	<u>1.750</u>	<u>0.87</u>	<u>4.17</u>	<u>24.8</u>	↓			
↓	25	<u>0905</u>	<u>3</u>	<u>36.67</u>		<u>16.2</u>	<u>7.33</u>	<u>1.752</u>	<u>0.76</u>	<u>3.44</u>	<u>28.1</u>	↓			
↓	30	<u>0910</u>	<u>4</u>	<u>36.62</u>		<u>16.1</u>	<u>7.33</u>	<u>1.754</u>	<u>0.73</u>	<u>3.14</u>	<u>28.4</u>	↓			
Sample	35	<u>0915</u>													
	40														
	45														
	50														
	55														
	60														
NOTES (continued)									ABBREVIATIONS						
Sample ID: <u>03R</u>									Cond. - Actual Conductivity						
Sampled @ <u>on 1/14/2025</u>									FT BTOC - Feet Below Top of Casing na -						
									ORP - Oxidation-Reduction Potential SEC -						
									Specific Electrical Conductance SU - Standard						

03R Sampled @ 0915
03R-FD @ 0920

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hennepin</u>			Client: <u>Vistra</u>											
Project Number:		Task #:		Start Date: <u>1/17/2025</u>		Time: <u>0630</u>								
Field Personnel: <u>G. Aschallberg</u>			Finish Date: <u>1/17/25</u>			Time:								
WELL INFORMATION					EVENT TYPE									
Well ID: <u>7</u>					Well Development				Low-Flow / Low Stress Sampling Other		YSI SERIAL NO: <u>FA04590</u>			
Casing ID: _____ Inches					Well Volume Approach Sampling				(Specify): Low Flow		Heron Serial NO: <u>4650</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) n3% dbn 01/28/25	Dissolved Oxygen (mg/L) +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>0645</u>	✓	<u>69.68</u> 69.75	—	—	—	—	—	—	—	—		
Purge	5	<u>0650</u>		<u>69.80</u>		<u>10.8</u>	<u>6.80</u>	<u>1.136</u>	<u>5.65</u>	<u>4.38</u>	<u>164.0</u>	<u>clear</u>		
↓	10	<u>0655</u>		<u>69.74</u>		<u>10.8</u>	<u>6.80</u>	<u>1.136</u>	<u>5.63</u>	<u>4.55</u>	<u>165.0</u>	<u>clear</u>		
↓	15	<u>0700</u>		<u>69.79</u>		<u>10.7</u>	<u>6.81</u>	<u>1.144</u>	<u>5.62</u>	<u>5.25</u>	<u>168.6</u>	<u>clear</u>		
*****	20	<u>0705</u>		<u>69.84</u>		<u>10.7</u>	<u>6.81</u>	<u>1.141</u>	<u>5.57</u>	<u>3.93</u>	<u>171.4</u>	<u>↓</u>		
Sample	25	<u>0710</u>												
	30													
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)								ABBREVIATIONS						
Sample ID: <u>7</u> Sampled @ <u>0710</u> on <u>1/17/2025</u>								Cond. - Actual Conductivity					ORP - Oxidation-Reduction Potential SEC -	
								FT BTDC - Feet Below Top of Casing na -					Specific Electrical Conductance SU - Standard	

Hen-7 @ 0710

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hennepin</u>			Client: <u>Vistra</u>			Project Number: _____ Task #: _____			Start Date: <u>1/17/2025</u> Time: <u>0740</u>					
Field Personnel: <u>G. Assalby</u>			Finish Date: <u>1/17/2025</u>			Time: _____								
WELL INFORMATION						EVENT TYPE								
Well ID: <u>08</u>						Well Development		Low-Flow / Low Stress Sampling Other		YSI SERIAL NO: <u>4234</u>				
Casing ID: _____ Inches						Well Volume Approach Sampling		(Specify): Low Flow		Heron Serial NO: <u>4650</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. (ps/cm) n3% dbn 01/28/25	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>0745</u>	<u>—</u>	<u>52.24</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>		
Purge	5	<u>0750</u>	<u>0.5</u>	<u>55.28</u>	<u>—</u>	<u>12.6</u>	<u>6.68</u>	<u>2.036</u>	<u>0.96</u>	<u>3.58</u>	<u>178.9</u>	<u>Clear</u>		
↓	10	<u>0755</u>	<u>0.5</u>	<u>55.20</u>	<u>—</u>	<u>12.5</u>	<u>6.70</u>	<u>2.037</u>	<u>0.49</u>	<u>2.57</u>	<u>178.3</u>	<u>↓</u>		
↓	15	<u>0800</u>	<u>1</u>	<u>55.35</u>	<u>—</u>	<u>12.6</u>	<u>6.71</u>	<u>2.037</u>	<u>0.43</u>	<u>2.18</u>	<u>178.0</u>	<u>↓</u>		
*****	20	<u>0805</u>	<u>2</u>	<u>55.42</u>	<u>—</u>	<u>12.6</u>	<u>6.71</u>	<u>2.034</u>	<u>0.42</u>	<u>1.85</u>	<u>178.0</u>	<u>↓</u>		
Sample	25	<u>0810</u>	<u>—</u>	<u>55.32</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>		
	30													
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)								ABBREVIATIONS						
Sample ID: <u>Hen-08</u> Sampled @ <u>0810</u> on <u>1/17/2025</u>								Cond. - Actual Conductivity					ORP - Oxidation-Reduction Potential SEC -	
								FT BTOC - Feet Below Top of Casing na -					Specific Electrical Conductance SU - Standard	

Hen-08 sampled @ 0810

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hennepin</u>		Client: <u>Vistra</u>												
Project Number: _____		Task #: _____		Start Date: <u>1/14/2025</u>		Time: <u>1315</u>								
Field Personnel: <u>Lorne</u>		Finish Date: <u>Same</u>		Time: <u>1345</u>										
WELL INFORMATION				EVENT TYPE										
Well ID: <u>8D</u>				Well Development					Low-Flow / Low Stress Sampling Other		YSI SERIAL NO: <u>FA04590</u>			
Casing ID: <u>2</u> <u>Inches</u>				Well Volume Approach Sampling					(Specify): Low Flow		Heron Serial NO: <u>FA01456</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) m3% dbn 01/28/25	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>1315</u>		<u>55.85</u>								<u>Clear</u>		
Purge	5	<u>1320</u>		<u>55.85</u>		<u>12.1</u>	<u>14.87</u>	<u>2.157</u>	<u>0.46</u>	<u>2.82</u>	<u>151.2</u>			
	10	<u>1325</u>		<u>55.85</u>		<u>12.0</u>	<u>7.84</u>	<u>2.130</u>	<u>0.30</u>	<u>2.40</u>	<u>152.2</u>			
	15	<u>1330</u>		<u>55.85</u>		<u>11.9</u>	<u>7.14</u>	<u>2.165</u>	<u>0.25</u>	<u>2.80</u>	<u>153.9</u>			
*****	20	<u>1335</u>		<u>55.85</u>		<u>11.8</u>	<u>7.13</u>	<u>2.092</u>	<u>0.20</u>	<u>2.30</u>	<u>154.1</u>			
	25	<u>1340</u>		<u>55.85</u>		<u>11.8</u>	<u>7.12</u>	<u>2.099</u>	<u>0.19</u>	<u>2.33</u>	<u>154.5</u>			
	30	<u>1345</u>	<u>2 GAL</u>	<u>55.85</u>		<u>11.8</u>	<u>7.11</u>	<u>2.097</u>	<u>0.19</u>	<u>2.39</u>	<u>154.8</u>			
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)								ABBREVIATIONS						
Sample ID: <u>8D</u> Sampled @ <u>1345</u> on <u>1/14/2025</u>								Cond - Actual Conductivity					ORP - Oxidation-Reduction Potential SEC -	
								FT BTOC - Feet Below Top of Casing na -					Specific Electrical Conductance SU - Standard	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION														
Site: <u>Hennepin</u>		Client: <u>Vistra</u>												
Project Number:		Task #:		Start Date: <u>1/14/2025</u>		Time: <u>11:45</u>								
Field Personnel: <u>Lorne</u>		Finish Date: <u>same</u>		Time: <u>12:10</u>										
WELL INFORMATION				EVENT TYPE										
Well ID: <u>185</u>				Well Development					Low-Flow / Low Stress Sampling Other		YSI SERIAL NO: <u>FA04590</u>			
Casing ID: _____ Inches				Well Volume Approach Sampling					(Specify): Low Flow		Heron Serial NO: <u>FA01454</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) m3% dbn 01/28/25	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity		
Pre	0	<u>11:45</u>		<u>42.11</u>								<u>Clear</u>		
Purge	5	<u>11:50</u>		<u>42.11</u>		<u>13.8</u>	<u>7.42</u>	<u>0.931</u>	<u>0.40</u>	<u>4.58</u>	<u>180.3</u>			
	10	<u>11:55</u>		<u>42.11</u>		<u>13.7</u>	<u>7.42</u>	<u>0.917</u>	<u>0.42</u>	<u>3.90</u>	<u>179.3</u>			
	15	<u>12:00</u>		<u>42.11</u>		<u>14.9</u>	<u>7.40</u>	<u>0.928</u>	<u>0.40</u>	<u>3.79</u>	<u>178.7</u>			
*****	20	<u>12:05</u>		<u>42.11</u>		<u>15.0</u>	<u>7.41</u>	<u>0.928</u>	<u>0.41</u>	<u>3.51</u>	<u>177.1</u>			
	25	<u>12:10</u>		<u>42.11</u>		<u>15.0</u>	<u>7.41</u>	<u>0.928</u>	<u>0.40</u>	<u>3.50</u>	<u>175.4</u>			
	30													
	35													
	40													
	45													
	50													
	55													
	60													
NOTES (continued)								ABBREVIATIONS						
Sample ID: Sampled @ <u>12:10</u> on <u>1/14/2025</u>								Cond. - Actual Conductivity					ORP - Oxidation-Reduction Potential SEC -	
								FT BTOC - Feet Below Top of Casing na -					Specific Electrical Conductance SU - Standard	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin</u>			Client: <u>Vigra</u>									
Project Number: _____			Task #: _____			Start Date: <u>1/14/2025</u>			Time: <u>1015</u>			
Field Personnel: <u>Lorne</u>			Finish Date: _____			Time: _____						
WELL INFORMATION						EVENT TYPE						
Well ID: <u>180</u>						Well Development			Low-Flow / Low Stress Sampling Other			YSI SERIAL NO: <u>FAD4590</u>
Casing ID: <u>2</u> <u>Inches</u>						Well Volume Approach Sampling			(Specify): Low Flow			Heron Serial NO: <u>FAD4560</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) m3% dbn 01/28/25	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1016</u>		<u>42.55</u>								<u>Clear</u>
Purge	5	<u>1021</u>		<u>42.55</u>		<u>14.0</u>	<u>7.15</u>	<u>0.973</u>	<u>.39</u>	<u>10.75</u>	<u>189.0</u>	
	10	<u>1026</u>	<u>1014</u>	<u>42.55</u>		<u>14.0</u>	<u>7.10</u>	<u>0.976</u>	<u>.38</u>	<u>10.51</u>	<u>188.2</u>	
	15	<u>1031</u>		<u>42.55</u>		<u>13.9</u>	<u>7.17</u>	<u>0.974</u>	<u>.37</u>	<u>10.20</u>	<u>186.9</u>	
*****	20	<u>1036</u>		<u>42.55</u>		<u>14.0</u>	<u>7.18</u>	<u>0.975</u>	<u>.36</u>	<u>10.07</u>	<u>185.9</u>	
	25	<u>1041</u>	<u>26.4</u>	<u>42.55</u>		<u>13.9</u>	<u>7.18</u>	<u>0.974</u>	<u>.36</u>	<u>9.87</u>	<u>185.7</u>	
	30											
	35											
	40											
	45											
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sample ID: <u>180</u> Sampled @ <u>1041</u> on <u>1/14/2025</u>								Cond. - Actual Conductivity ORP - Oxidation-Reduction Potential SEC -				
								FT BTOC - Feet Below Top of Casing na - Specific Electrical Conductance SU - Standard				

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION												
Site: <u>Hennepin</u>		Client: <u>Vistra</u>		Project Number:		Task #:		Start Date: <u>1/14/2025</u>		Time: <u>1315</u>		
Field Personnel:		Finish Date: <u>1/14/25</u>						Time: <u>1415</u>				
WELL INFORMATION						EVENT TYPE						
Well ID: <u>455</u>						Well Development		Low-Flow / Low Stress Sampling Other		YSI SERIAL NO: <u>FAJ01234</u>		
Casing ID: _____ Inches						Well Volume Approach Sampling		(Specify): Low Flow		Heron Serial NO: <u>4650</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) m3% dbn 01/28/25	Dissolved Oxygen (mg/L) 10% or +/- 0.2	Turbidity (NTU) 10% or <10 NTU's	ORP (mV) +/- 10mV	Visual Clarity
Pre	0	<u>1320</u>		<u>21.91</u>								
Purge	5	<u>1325</u>										
↓	10	<u>1330</u>										
↓	15	<u>1335</u>		<u>21.92</u>		<u>16.9</u>	<u>7.23</u>	<u>1.846</u>	<u>6.16</u>	<u>16.13</u>	<u>-1.2</u>	<u>Clear</u>
*****	20	<u>1340</u>	<u>1</u>	<u>22.90</u>		<u>17.2</u>	<u>7.17</u>	<u>1.929</u>	<u>1.84</u>	<u>26.16</u>	<u>41.5</u>	<u>↓</u>
↓	25	<u>1345</u>	<u>1.5</u>	<u>22.91</u>		<u>17.2</u>	<u>7.16</u>	<u>1.929</u>	<u>1.07</u>	<u>16.91</u>	<u>49.7</u>	<u>↓</u>
↓	30	<u>1350</u>	<u>2</u>	<u>22.93</u>		<u>16.9</u>	<u>7.17</u>	<u>1.929</u>	<u>0.87</u>	<u>14.56</u>	<u>53.6</u>	<u>↓</u>
↓	35	<u>1353</u>	<u>2.5</u>	<u>22.91</u>		<u>16.9</u>	<u>7.17</u>	<u>1.931</u>	<u>0.81</u>	<u>7.15</u>	<u>56.2</u>	<u>↓</u>
	40	<u>1400</u>	<u>3</u>			<u>16.9</u>	<u>7.17</u>	<u>1.930</u>	<u>0.74</u>	<u>6.41</u>	<u>57.4</u>	<u>↓</u>
	45	<u>1405</u>	<u>3.5</u>			<u>16.9</u>	<u>7.17</u>	<u>1.931</u>	<u>0.73</u>	<u>5.24</u>	<u>58.0</u>	<u>↓</u>
	50											
	55											
	60											
NOTES (continued)								ABBREVIATIONS				
Sample ID: <u>455</u>								Cond. - Actual Conductivity				
Sampled @ _____ on <u>1/14/2025</u>								FT BTOC - Feet Below Top of Casing na -				
<u>Data gaps are frozen during</u>								ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard				

455 sampled @ 1410

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 1, 2025**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
03R	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.001
03R	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	100	All ND - Last	0.001	0.001
03R	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CI around geomean	0.0618	0.212
03R	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.001
03R	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	0.352	0.163
03R	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	94	CB around T-S line	0.00059	0.00230
03R	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	36	0	CI around geomean	71.4	435
03R	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	30	93	CB around T-S line	0.0015	0.00100
03R	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	31	97	CI around median	0.001	0.0380
03R	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CI around median	0.27	0.120
03R	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	100	All ND - Last	0.0005	0.00150
03R	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0172	0.0190
03R	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.0002
03R	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0647	0.00170
03R	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	39	0	CI around mean	7.2/7.3	6.6/7.5
03R	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around median	0.28	1.50
03R	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	32	6	CI around mean	0.00473	0.00140
03R	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	71	215
03R	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.001
03R	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	36	0	CI around mean	512	1,620
18S	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.001
18S	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	97	CI around median	0.001	0.001
18S	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.051	0.212
18S	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.001
18S	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	0.593	0.163
18S	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	80	CB around T-S line	0.000562	0.00230
18S	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	36	0	CB around linear reg	68.4	435

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
18S	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	31	60	CB around T-S line	0.0015	0.00100
18S	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	31	83	CI around median	0.001	0.0380
18S	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CB around T-S line	0.17	0.120
18S	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	100	All ND - Last	0.0005	0.00150
18S	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0321	0.0190
18S	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.0002
18S	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	35	0	CB around linear reg	0.0659	0.00170
18S	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	39	0	CI around median	7.3/7.4	6.6/7.5
18S	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around mean	0.347	1.50
18S	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	32	6	CB around T-S line	-0.000318	0.00140
18S	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	84.4	215
18S	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.001
18S	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	478	1,620
18D	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.001
18D	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	97	CI around median	0.001	0.001
18D	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around T-S line	0.0601	0.212
18D	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.001
18D	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	1.15	0.163
18D	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	94	CB around T-S line	0.000758	0.00230
18D	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	36	0	CI around mean	75.2	435
18D	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	30	94	CB around T-S line	0.00172	0.00100
18D	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	32	6	CB around linear reg	-0.000454	0.0380
18D	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CI around median	0.15	0.120
18D	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	91	CB around T-S line	0.00083	0.00150
18D	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	35	0	CB around T-S line	0.023	0.0190
18D	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.0002
18D	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	35	0	CI around median	0.0315	0.00170

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
18D	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	39	0	CI around median	7.2/7.2	6.6/7.5
18D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around mean	0.57	1.50
18D	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	31	91	CB around T-S line	0.001	0.00140
18D	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	36	0	CB around linear reg	87.4	215
18D	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.001
18D	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	36	0	CB around T-S line	478	1,620
45S	UA	E008	Antimony, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.003	0.001
45S	UA	E008	Arsenic, total	mg/L	12/09/15 - 01/14/25	30	93	CI around median	0.001	0.001
45S	UA	E008	Barium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.0781	0.212
45S	UA	E008	Beryllium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.001	0.001
45S	UA	E008	Boron, total	mg/L	12/09/15 - 01/14/25	33	0	CB around linear reg	0.223	0.163
45S	UA	E008	Cadmium, total	mg/L	12/09/15 - 01/14/25	31	39	CB around linear reg	0.000588	0.00230
45S	UA	E008	Chloride, total	mg/L	12/09/15 - 01/14/25	33	0	CI around mean	81.4	435
45S	UA	E008	Chromium, total	mg/L	12/09/15 - 01/14/25	31	94	CB around T-S line	0.00175	0.00100
45S	UA	E008	Cobalt, total	mg/L	12/09/15 - 01/14/25	32	12	CI around geomean	0.00144	0.0380
45S	UA	E008	Fluoride, total	mg/L	12/09/15 - 01/14/25	33	3	CB around T-S line	0.24	0.120
45S	UA	E008	Lead, total	mg/L	12/09/15 - 01/14/25	30	80	CI around median	0.001	0.00150
45S	UA	E008	Lithium, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.0108	0.0190
45S	UA	E008	Mercury, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.0002	0.0002
45S	UA	E008	Molybdenum, total	mg/L	12/09/15 - 01/14/25	32	0	CB around linear reg	0.0387	0.00170
45S	UA	E008	pH (field)	SU	12/09/15 - 01/14/25	33	0	CI around mean	7.1/7.2	6.6/7.5
45S	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 01/14/25	30	0	CI around geomean	0.455	1.50
45S	UA	E008	Selenium, total	mg/L	12/09/15 - 01/14/25	31	100	All ND - Last	0.0025	0.00140
45S	UA	E008	Sulfate, total	mg/L	12/09/15 - 01/14/25	33	0	CI around median	70	215
45S	UA	E008	Thallium, total	mg/L	12/09/15 - 01/14/25	29	100	All ND - Last	0.002	0.001
45S	UA	E008	Total Dissolved Solids	mg/L	12/09/15 - 01/14/25	33	0	CI around mean	527	1,620

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
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HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the Ash Pond No. 2 and Ash Pond No. 4. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = 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 = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination