



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

July 19, 2024

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

Re: Hennepin Power Plant 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 2, 2024 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 compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances 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 2, 2024, Ash Ponds No. 2 and No. 4, Hennepin Power Plant, Hennepin, Illinois

35 I.A.C. § 845.610(B)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 2 2024
ASH PONDS NO. 2 AND NO. 4, HENNEPIN POWER PLANT, HENNEPIN, ILLINOIS

July 19, 2024

Samples were collected on April 15 and 16, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on May 20, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2024 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2, 2024 sampling event.

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

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS. As shown in **Table 2**, exceedances of the GWPS were not identified.

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

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

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan 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 2, 2024
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	E005	04/16/2024	Antimony, total	0.0013 U	mg/L
07	Background	E005	04/16/2024	Arsenic, total	0.00023 U	mg/L
07	Background	E005	04/16/2024	Barium, total	0.0990	mg/L
07	Background	E005	04/16/2024	Beryllium, total	0.00053 U	mg/L
07	Background	E005	04/16/2024	Boron, total	0.0730 J+	mg/L
07	Background	E005	04/16/2024	Cadmium, total	0.00017 U	mg/L
07	Background	E005	04/16/2024	Calcium, total	120	mg/L
07	Background	E005	04/16/2024	Chloride, total	49.0	mg/L
07	Background	E005	04/16/2024	Chromium, total	0.0012 J	mg/L
07	Background	E005	04/16/2024	Cobalt, total	0.00680	mg/L
07	Background	E005	04/16/2024	Dissolved Oxygen	5.12	mg/L
07	Background	E005	04/16/2024	Fluoride, total	0.130	mg/L
07	Background	E005	04/16/2024	Lead, total	0.00019 U	mg/L
07	Background	E005	04/16/2024	Lithium, total	0.00800	mg/L
07	Background	E005	04/16/2024	Mercury, total	0.00019 U	mg/L
07	Background	E005	04/16/2024	Molybdenum, total	0.0025 U	mg/L
07	Background	E005	04/16/2024	Oxidation Reduction Potential	154	mV
07	Background	E005	04/16/2024	pH (field)	7.0	SU
07	Background	E005	04/16/2024	Radium 226 + Radium 228, total	1.3	pCi/L
07	Background	E005	04/16/2024	Selenium, total	0.00098 U	mg/L
07	Background	E005	04/16/2024	Specific Conductance @ 25C (field)	1,036	micromhos/cm
07	Background	E005	04/16/2024	Sulfate, total	60.0	mg/L
07	Background	E005	04/16/2024	Temperature	12.8	degrees C
07	Background	E005	04/16/2024	Thallium, total	0.00057 U	mg/L
07	Background	E005	04/16/2024	Total Dissolved Solids	560	mg/L
07	Background	E005	04/16/2024	Turbidity, field	2.24	NTU
08	Background	E005	04/16/2024	Antimony, total	0.0013 U	mg/L
08	Background	E005	04/16/2024	Arsenic, total	0.00023 U	mg/L
08	Background	E005	04/16/2024	Barium, total	0.120	mg/L
08	Background	E005	04/16/2024	Beryllium, total	0.00053 U	mg/L
08	Background	E005	04/16/2024	Boron, total	0.120 J+	mg/L
08	Background	E005	04/16/2024	Cadmium, total	0.000500	mg/L
08	Background	E005	04/16/2024	Calcium, total	170	mg/L
08	Background	E005	04/16/2024	Chloride, total	190	mg/L
08	Background	E005	04/16/2024	Chromium, total	0.0011 U	mg/L
08	Background	E005	04/16/2024	Cobalt, total	0.00330	mg/L
08	Background	E005	04/16/2024	Dissolved Oxygen	2.30	mg/L
08	Background	E005	04/16/2024	Fluoride, total	0.093 J	mg/L
08	Background	E005	04/16/2024	Lead, total	0.00048 J	mg/L
08	Background	E005	04/16/2024	Lithium, total	0.0160	mg/L
08	Background	E005	04/16/2024	Mercury, total	0.000076 U	mg/L
08	Background	E005	04/16/2024	Molybdenum, total	0.0025 U	mg/L
08	Background	E005	04/16/2024	Oxidation Reduction Potential	167	mV
08	Background	E005	04/16/2024	pH (field)	6.8	SU
08	Background	E005	04/16/2024	Radium 226 + Radium 228, total	1.35	pCi/L
08	Background	E005	04/16/2024	Selenium, total	0.00098 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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	E005	04/16/2024	Specific Conductance @ 25C (field)	1,879	micromhos/cm
08	Background	E005	04/16/2024	Sulfate, total	110	mg/L
08	Background	E005	04/16/2024	Temperature	14.6	degrees C
08	Background	E005	04/16/2024	Thallium, total	0.00057 U	mg/L
08	Background	E005	04/16/2024	Total Dissolved Solids	1,100	mg/L
08	Background	E005	04/16/2024	Turbidity, field	0.550	NTU
08D	Background	E005	04/16/2024	Antimony, total	0.0013 U	mg/L
08D	Background	E005	04/16/2024	Arsenic, total	0.00023 U	mg/L
08D	Background	E005	04/16/2024	Barium, total	0.120	mg/L
08D	Background	E005	04/16/2024	Beryllium, total	0.00053 U	mg/L
08D	Background	E005	04/16/2024	Boron, total	0.0990 J+	mg/L
08D	Background	E005	04/16/2024	Cadmium, total	0.00110	mg/L
08D	Background	E005	04/16/2024	Calcium, total	200	mg/L
08D	Background	E005	04/16/2024	Chloride, total	310	mg/L
08D	Background	E005	04/16/2024	Chromium, total	0.0011 U	mg/L
08D	Background	E005	04/16/2024	Cobalt, total	0.00680	mg/L
08D	Background	E005	04/16/2024	Dissolved Oxygen	1.08	mg/L
08D	Background	E005	04/16/2024	Fluoride, total	0.110	mg/L
08D	Background	E005	04/16/2024	Lead, total	0.000930	mg/L
08D	Background	E005	04/16/2024	Lithium, total	0.00940	mg/L
08D	Background	E005	04/16/2024	Mercury, total	0.000076 U	mg/L
08D	Background	E005	04/16/2024	Molybdenum, total	0.0025 U	mg/L
08D	Background	E005	04/16/2024	Oxidation Reduction Potential	154	mV
08D	Background	E005	04/16/2024	pH (field)	6.7	SU
08D	Background	E005	04/16/2024	Radium 226 + Radium 228, total	0.413	pCi/L
08D	Background	E005	04/16/2024	Selenium, total	0.00098 U	mg/L
08D	Background	E005	04/16/2024	Specific Conductance @ 25C (field)	3,232	micromhos/cm
08D	Background	E005	04/16/2024	Sulfate, total	190	mg/L
08D	Background	E005	04/16/2024	Temperature	13.8	degrees C
08D	Background	E005	04/16/2024	Thallium, total	0.00057 U	mg/L
08D	Background	E005	04/16/2024	Total Dissolved Solids	1,400	mg/L
08D	Background	E005	04/16/2024	Turbidity, field	3.49	NTU
03R	Compliance	E005	04/15/2024	Antimony, total	0.0013 U	mg/L
03R	Compliance	E005	04/15/2024	Arsenic, total	0.00031 J	mg/L
03R	Compliance	E005	04/15/2024	Barium, total	0.0640	mg/L
03R	Compliance	E005	04/15/2024	Beryllium, total	0.00053 U	mg/L
03R	Compliance	E005	04/15/2024	Boron, total	0.610 J+	mg/L
03R	Compliance	E005	04/15/2024	Cadmium, total	0.00018 J	mg/L
03R	Compliance	E005	04/15/2024	Calcium, total	99.0	mg/L
03R	Compliance	E005	04/15/2024	Chloride, total	79.0	mg/L
03R	Compliance	E005	04/15/2024	Chromium, total	0.0011 U	mg/L
03R	Compliance	E005	04/15/2024	Cobalt, total	0.0004 U	mg/L
03R	Compliance	E005	04/15/2024	Dissolved Oxygen	0.360	mg/L
03R	Compliance	E005	04/15/2024	Fluoride, total	0.270	mg/L
03R	Compliance	E005	04/15/2024	Lead, total	0.00019 U	mg/L
03R	Compliance	E005	04/15/2024	Lithium, total	0.0230	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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	E005	04/15/2024	Mercury, total	0.000076 U	mg/L
03R	Compliance	E005	04/15/2024	Molybdenum, total	0.0840	mg/L
03R	Compliance	E005	04/15/2024	Oxidation Reduction Potential	89.7	mV
03R	Compliance	E005	04/15/2024	pH (field)	7.2	SU
03R	Compliance	E005	04/15/2024	Radium 226 + Radium 228, total	1.04	pCi/L
03R	Compliance	E005	04/15/2024	Selenium, total	0.00560	mg/L
03R	Compliance	E005	04/15/2024	Specific Conductance @ 25C (field)	1,007	micromhos/cm
03R	Compliance	E005	04/15/2024	Sulfate, total	77.0	mg/L
03R	Compliance	E005	04/15/2024	Temperature	17.9	degrees C
03R	Compliance	E005	04/15/2024	Thallium, total	0.00057 U	mg/L
03R	Compliance	E005	04/15/2024	Total Dissolved Solids	570	mg/L
03R	Compliance	E005	04/15/2024	Turbidity, field	2.69	NTU
18S	Compliance	E005	04/15/2024	Antimony, total	0.0013 U	mg/L
18S	Compliance	E005	04/15/2024	Arsenic, total	0.0005 J	mg/L
18S	Compliance	E005	04/15/2024	Barium, total	0.0680	mg/L
18S	Compliance	E005	04/15/2024	Beryllium, total	0.00053 U	mg/L
18S	Compliance	E005	04/15/2024	Boron, total	5.10	mg/L
18S	Compliance	E005	04/15/2024	Cadmium, total	0.00017 U	mg/L
18S	Compliance	E005	04/15/2024	Calcium, total	130	mg/L
18S	Compliance	E005	04/15/2024	Chloride, total	65.0	mg/L
18S	Compliance	E005	04/15/2024	Chromium, total	0.0013 J	mg/L
18S	Compliance	E005	04/15/2024	Cobalt, total	0.0004 U	mg/L
18S	Compliance	E005	04/15/2024	Dissolved Oxygen	1.73	mg/L
18S	Compliance	E005	04/15/2024	Fluoride, total	0.150	mg/L
18S	Compliance	E005	04/15/2024	Lead, total	0.0002 J	mg/L
18S	Compliance	E005	04/15/2024	Lithium, total	0.0730	mg/L
18S	Compliance	E005	04/15/2024	Mercury, total	0.000076 U	mg/L
18S	Compliance	E005	04/15/2024	Molybdenum, total	0.160	mg/L
18S	Compliance	E005	04/15/2024	Oxidation Reduction Potential	97.6	mV
18S	Compliance	E005	04/15/2024	pH (field)	7.3	SU
18S	Compliance	E005	04/15/2024	Radium 226 + Radium 228, total	0.693	pCi/L
18S	Compliance	E005	04/15/2024	Selenium, total	0.0480	mg/L
18S	Compliance	E005	04/15/2024	Specific Conductance @ 25C (field)	1,112	micromhos/cm
18S	Compliance	E005	04/15/2024	Sulfate, total	220	mg/L
18S	Compliance	E005	04/15/2024	Temperature	17.0	degrees C
18S	Compliance	E005	04/15/2024	Thallium, total	0.00057 U	mg/L
18S	Compliance	E005	04/15/2024	Total Dissolved Solids	710	mg/L
18S	Compliance	E005	04/15/2024	Turbidity, field	1.93	NTU
18D	Compliance	E005	04/15/2024	Antimony, total	0.0013 U	mg/L
18D	Compliance	E005	04/15/2024	Arsenic, total	0.00048 J	mg/L
18D	Compliance	E005	04/15/2024	Barium, total	0.0680	mg/L
18D	Compliance	E005	04/15/2024	Beryllium, total	0.00053 U	mg/L
18D	Compliance	E005	04/15/2024	Boron, total	1.10	mg/L
18D	Compliance	E005	04/15/2024	Cadmium, total	0.00041 J	mg/L
18D	Compliance	E005	04/15/2024	Calcium, total	96.0	mg/L
18D	Compliance	E005	04/15/2024	Chloride, total	72.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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	E005	04/15/2024	Chromium, total	0.0011 U	mg/L
18D	Compliance	E005	04/15/2024	Cobalt, total	0.00150	mg/L
18D	Compliance	E005	04/15/2024	Dissolved Oxygen	0.930	mg/L
18D	Compliance	E005	04/15/2024	Fluoride, total	0.150	mg/L
18D	Compliance	E005	04/15/2024	Lead, total	0.000500	mg/L
18D	Compliance	E005	04/15/2024	Lithium, total	0.0300	mg/L
18D	Compliance	E005	04/15/2024	Mercury, total	0.000076 U	mg/L
18D	Compliance	E005	04/15/2024	Molybdenum, total	0.0330	mg/L
18D	Compliance	E005	04/15/2024	Oxidation Reduction Potential	90.8	mV
18D	Compliance	E005	04/15/2024	pH (field)	7.2	SU
18D	Compliance	E005	04/15/2024	Radium 226 + Radium 228, total	0.834	pCi/L
18D	Compliance	E005	04/15/2024	Selenium, total	0.00098 U	mg/L
18D	Compliance	E005	04/15/2024	Specific Conductance @ 25C (field)	973	micromhos/cm
18D	Compliance	E005	04/15/2024	Sulfate, total	90.0	mg/L
18D	Compliance	E005	04/15/2024	Temperature	17.6	degrees C
18D	Compliance	E005	04/15/2024	Thallium, total	0.00057 U	mg/L
18D	Compliance	E005	04/15/2024	Total Dissolved Solids	570	mg/L
18D	Compliance	E005	04/15/2024	Turbidity, field	8.98	NTU
45S	Compliance	E005	04/15/2024	Antimony, total	0.0013 U	mg/L
45S	Compliance	E005	04/15/2024	Arsenic, total	0.00037 J	mg/L
45S	Compliance	E005	04/15/2024	Barium, total	0.0850	mg/L
45S	Compliance	E005	04/15/2024	Beryllium, total	0.00053 U	mg/L
45S	Compliance	E005	04/15/2024	Boron, total	0.330 J+	mg/L
45S	Compliance	E005	04/15/2024	Cadmium, total	0.000980	mg/L
45S	Compliance	E005	04/15/2024	Calcium, total	100	mg/L
45S	Compliance	E005	04/15/2024	Chloride, total	91.0	mg/L
45S	Compliance	E005	04/15/2024	Chromium, total	0.0011 U	mg/L
45S	Compliance	E005	04/15/2024	Cobalt, total	0.00160	mg/L
45S	Compliance	E005	04/15/2024	Dissolved Oxygen	0	mg/L
45S	Compliance	E005	04/15/2024	Fluoride, total	0.260	mg/L
45S	Compliance	E005	04/15/2024	Lead, total	0.000520	mg/L
45S	Compliance	E005	04/15/2024	Lithium, total	0.0180	mg/L
45S	Compliance	E005	04/15/2024	Mercury, total	0.000076 U	mg/L
45S	Compliance	E005	04/15/2024	Molybdenum, total	0.0510	mg/L
45S	Compliance	E005	04/15/2024	Oxidation Reduction Potential	131	mV
45S	Compliance	E005	04/15/2024	pH (field)	7.1	SU
45S	Compliance	E005	04/15/2024	Radium 226 + Radium 228, total	0.351	pCi/L
45S	Compliance	E005	04/15/2024	Selenium, total	0.00098 U	mg/L
45S	Compliance	E005	04/15/2024	Specific Conductance @ 25C (field)	1,451	micromhos/cm
45S	Compliance	E005	04/15/2024	Sulfate, total	75.0	mg/L
45S	Compliance	E005	04/15/2024	Temperature	19.9	degrees C
45S	Compliance	E005	04/15/2024	Thallium, total	0.00057 U	mg/L
45S	Compliance	E005	04/15/2024	Total Dissolved Solids	530	mg/L
45S	Compliance	E005	04/15/2024	Turbidity, field	4.21	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
ASH POND NO. 2 AND ASH POND NO. 4
HENNEPIN, IL

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
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.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.006	Standard	No Exceedance
03R	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	100	All ND - Last	0.001	0.010	Standard	No Exceedance
03R	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CI around geomean	0.0621	2.0	Standard	No Exceedance
03R	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
03R	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	0.42	2	Standard	No Exceedance
03R	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	93	CB around T-S line	0.000641	0.005	Standard	No Exceedance
03R	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	77.5	435	Background	No Exceedance
03R	UA	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	27	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
03R	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	28	96	CI around median	0.001	0.0380	Background	No Exceedance
03R	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CI around median	0.27	4.0	Standard	No Exceedance
03R	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
03R	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	32	0	CI around mean	0.0235	0.04	Standard	No Exceedance
03R	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
03R	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	0.0778	0.1	Standard	No Exceedance
03R	UA	E005	pH (field)	SU	12/09/15 - 04/15/24	36	0	CI around median	7.2/7.3	6.5/9.0	Standard/Standard	No Exceedance
03R	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around median	0.28	5	Standard	No Exceedance
03R	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	29	7	CI around mean	0.00459	0.05	Standard	No Exceedance
03R	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	72.1	400	Standard	No Exceedance
03R	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
03R	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	33	0	CI around mean	513	1,620	Background	No Exceedance
18S	UA	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.006	Standard	No Exceedance
18S	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	97	CI around median	0.001	0.010	Standard	No Exceedance
18S	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.051	2.0	Standard	No Exceedance
18S	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
18S	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	0.75	2	Standard	No Exceedance
18S	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	78	CB around T-S line	0.000583	0.005	Standard	No Exceedance
18S	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	33	0	CB around linear reg	68.9	435	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	28	59	CI around median	0.0015	0.1	Standard	No Exceedance
18S	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	28	84	CI around median	0.001	0.0380	Background	No Exceedance
18S	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CB around T-S line	0.163	4.0	Standard	No Exceedance
18S	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	100	All ND - Last	0.0005	0.0075	Standard	No Exceedance
18S	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	32	0	CB around T-S line	0.0326	0.04	Standard	No Exceedance
18S	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
18S	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	0.0857	0.1	Standard	No Exceedance
18S	UA	E005	pH (field)	SU	12/09/15 - 04/15/24	36	0	CI around median	7.3/7.4	6.5/9.0	Standard/Standard	No Exceedance
18S	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around mean	0.357	5	Standard	No Exceedance
18S	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	29	3	CB around T-S line	0.00449	0.05	Standard	No Exceedance
18S	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	81.7	400	Standard	No Exceedance
18S	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
18S	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	481	1,620	Background	No Exceedance
18D	UA	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.006	Standard	No Exceedance
18D	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	97	CI around median	0.001	0.010	Standard	No Exceedance
18D	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around T-S line	0.0625	2.0	Standard	No Exceedance
18D	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
18D	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	33	0	CB around linear reg	1.16	2	Standard	No Exceedance
18D	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	94	CB around T-S line	0.000836	0.005	Standard	No Exceedance
18D	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	33	0	CI around mean	75.8	435	Background	No Exceedance
18D	UA	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	27	94	CB around T-S line	0.0015	0.1	Standard	No Exceedance
18D	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	29	3	CB around linear reg	6.72e-06	0.0380	Background	No Exceedance
18D	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CI around median	0.15	4.0	Standard	No Exceedance
18D	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	90	CI around median	0.001	0.0075	Standard	No Exceedance
18D	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	0.0231	0.04	Standard	No Exceedance
18D	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
18D	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	32	0	CI around median	0.0315	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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	E005	pH (field)	SU	12/09/15 - 04/15/24	36	0	CI around median	7.2/7.2	6.5/9.0	Standard/Standard	No Exceedance
18D	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around mean	0.555	5	Standard	No Exceedance
18D	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	28	94	CB around T-S line	0.001	0.05	Standard	No Exceedance
18D	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	33	0	CB around linear reg	86.1	400	Standard	No Exceedance
18D	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
18D	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	475	1,620	Background	No Exceedance
45S	UA	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.006	Standard	No Exceedance
45S	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	93	CI around median	0.001	0.010	Standard	No Exceedance
45S	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.0792	2.0	Standard	No Exceedance
45S	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
45S	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	30	0	CB around linear reg	0.214	2	Standard	No Exceedance
45S	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	43	CB around linear reg	0.00057	0.005	Standard	No Exceedance
45S	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	30	0	CB around linear reg	86.1	435	Background	No Exceedance
45S	UA	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	28	93	CB around T-S line	0.0015	0.1	Standard	No Exceedance
45S	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	29	14	CI around geomean	0.0014	0.0380	Background	No Exceedance
45S	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CB around T-S line	0.244	4.0	Standard	No Exceedance
45S	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	78	CI around median	0.001	0.0075	Standard	No Exceedance
45S	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.011	0.04	Standard	No Exceedance
45S	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
45S	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.0415	0.1	Standard	No Exceedance
45S	UA	E005	pH (field)	SU	12/09/15 - 04/15/24	30	0	CI around mean	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
45S	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around geomean	0.516	5	Standard	No Exceedance
45S	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	28	100	All ND - Last	0.0025	0.05	Standard	No Exceedance
45S	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	30	0	CI around median	70	400	Standard	No Exceedance
45S	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
45S	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	30	0	CI around mean	526	1,620	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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.

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

GWPS = Groundwater Protection Standard

GWPS Source:

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

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

FIGURES

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.



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

ATTACHMENTS

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

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2024
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	04/15/2024	32.35	449.74
07	Background	04/15/2024	66.81	451.46
08	Background	04/15/2024	51.12	450.06
08D	Background	04/15/2024	51.58	449.83
18S	Compliance	04/15/2024	37.85	449.83
18D	Compliance	04/15/2024	38.02	449.75
45S	Compliance	04/15/2024	17.68	449.80

Notes:
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 05/10/24 14:35:52

JOB DESCRIPTION

HEN-24Q2
HEN_845_802-805

JOB NUMBER

500-249028-4

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Authorized for release by
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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4

Client: Vistra Energy Corp
Project: HEN-24Q2

Job ID: 500-249028-4

Eurofins Chicago

Job Narrative 500-249028-4

Receipt

The samples were received on 04/16/24 11:25. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 3.3° C, 4.0° C, 4.2° C, 4.6° C, 4.8° C, 4.8° C, 5.2° C, 5.4° C and 5.6° C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Added to COC and logged in. HEN_TB1 (500-249028-25) and HEN_TB2 (500-249028-26)

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed for sample: HEN_02 (500-249028-13) COC received with sampling time of 1330. Field Data form stated sampling time was 1320. Per field sampler, correct sampling time is 1320.

Metals

Method 200.7 Rev 4.4: The initial low level calibration verification (ICVL) result for batch 765585 was above the 95-105% upper control limit. The affected analyte is: Li (107%). Sample results were below the reporting limit and have been reported as qualified data.

Method 6020B: The instrument blank for analytical batch 500-765372 contained Sodium greater than the reporting limit (RL), and were not reanalyzed because sample results were 10x greater than the concentration found in the blank. The data have been qualified and reported.

Method 6020B: The linear range check standard (LRC) for batch 765372 recovered low for Be. The high standard read back was within control limits. Sample results were below the high standard and have been qualified and reported. (LRC 500-765372/13)

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

General Chemistry

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

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Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

Client Sample ID: HEN_03R

Lab Sample ID: 500-249028-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.023		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.00031	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	0.61		0.050	0.013	mg/L	1			6020B	Total Recoverable
Cadmium	0.00018	J	0.00050	0.00017	mg/L	1			6020B	Total Recoverable
Calcium	99		0.20	0.044	mg/L	1			6020B	Total Recoverable
Magnesium	29		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.084		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	8.1		0.50	0.11	mg/L	1			6020B	Total Recoverable
Selenium	0.0056		0.0025	0.00098	mg/L	1			6020B	Total Recoverable
Sodium	59	B ^2	0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	79		10	1.2	mg/L	10			300.0	Total/NA
Sulfate	77		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	270		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	570		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.27		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	32.42				ft	1			Field Sampling	Total/NA
Field pH	7.20				SU	1			Field Sampling	Total/NA
Field Temperature	17.9				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	89.7				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.36				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1007				umhos/cm	1			Field Sampling	Total/NA
Turbidity	2.69				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_03R_FD

Lab Sample ID: 500-249028-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.023		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.00029	J	0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.063		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.60		0.050	0.013	mg/L	1			6020B	Total Recoverable
Cadmium	0.00020	J	0.00050	0.00017	mg/L	1			6020B	Total Recoverable
Calcium	97		0.20	0.044	mg/L	1			6020B	Total Recoverable
Magnesium	28		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.081		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	8.0		0.50	0.11	mg/L	1			6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

Client Sample ID: HEN_03R_FD (Continued)

Lab Sample ID: 500-249028-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Selenium	0.0054		0.0025	0.00098	mg/L	1			6020B	Total Recoverable
Sodium	58	B ^2	0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	78		10	1.2	mg/L	10			300.0	Total/NA
Sulfate	79		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	240		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	0.27		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	32.42				ft	1			Field Sampling	Total/NA
Field pH	7.20				SU	1			Field Sampling	Total/NA
Field Temperature	17.9				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	89.7				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.36				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1007				umhos/cm	1			Field Sampling	Total/NA
Turbidity	2.69				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_18#S

Lab Sample ID: 500-249028-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.073		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.00050	J	0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.068		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	5.1		0.050	0.013	mg/L	1			6020B	Total Recoverable
Calcium	130		0.20	0.044	mg/L	1			6020B	Total Recoverable
Chromium	0.0013	J	0.0050	0.0011	mg/L	1			6020B	Total Recoverable
Lead	0.00020	J	0.00050	0.00019	mg/L	1			6020B	Total Recoverable
Magnesium	29		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.16		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	11		0.50	0.11	mg/L	1			6020B	Total Recoverable
Selenium	0.048		0.0025	0.00098	mg/L	1			6020B	Total Recoverable
Sodium	52	B ^2	0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	65		10	1.2	mg/L	10			300.0	Total/NA
Sulfate	220		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	210		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	710		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.15		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	37.90				ft	1			Field Sampling	Total/NA
Field pH	7.28				SU	1			Field Sampling	Total/NA
Field Temperature	17.0				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	97.6				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	1.73				mg/L	1			Field Sampling	Total/NA
Specific Conductance	1112				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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_18#S (Continued)

Lab Sample ID: 500-249028-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Turbidity	1.93				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_18&D

Lab Sample ID: 500-249028-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.030		0.0050	0.0020	mg/L	1			200.7 Rev 4.4	Total Recoverable
Arsenic	0.00048	J	0.0010	0.00023	mg/L	1			6020B	Total Recoverable
Barium	0.068		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	1.1		0.050	0.013	mg/L	1			6020B	Total Recoverable
Cadmium	0.00041	J	0.00050	0.00017	mg/L	1			6020B	Total Recoverable
Calcium	96		0.20	0.044	mg/L	1			6020B	Total Recoverable
Cobalt	0.0015		0.0010	0.00040	mg/L	1			6020B	Total Recoverable
Lead	0.00050		0.00050	0.00019	mg/L	1			6020B	Total Recoverable
Magnesium	29		0.20	0.049	mg/L	1			6020B	Total Recoverable
Molybdenum	0.033		0.0050	0.0025	mg/L	1			6020B	Total Recoverable
Potassium	9.2		0.50	0.11	mg/L	1			6020B	Total Recoverable
Sodium	53	B ^2	0.20	0.077	mg/L	1			6020B	Total Recoverable
Chloride	72		10	1.2	mg/L	10			300.0	Total/NA
Sulfate	90		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	240		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	570		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.15		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	38.08				ft	1			Field Sampling	Total/NA
Field pH	7.22				SU	1			Field Sampling	Total/NA
Field Temperature	17.6				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	90.8				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	0.93				mg/L	1			Field Sampling	Total/NA
Specific Conductance	973				umhos/cm	1			Field Sampling	Total/NA
Turbidity	8.98				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_45#S

Lab Sample ID: 500-249028-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.018		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	0.085		0.0025	0.00073	mg/L	1			6020B	Total Recoverable
Boron	0.33		0.050	0.013	mg/L	1			6020B	Total Recoverable
Cadmium	0.00098		0.00050	0.00017	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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_45#S (Continued)

Lab Sample ID: 500-249028-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	100		0.20	0.044	mg/L	1		6020B	Total Recoverable
Cobalt	0.0016		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Lead	0.00052		0.00050	0.00019	mg/L	1		6020B	Total Recoverable
Magnesium	33		0.20	0.049	mg/L	1		6020B	Total Recoverable
Molybdenum	0.051		0.0050	0.0025	mg/L	1		6020B	Total Recoverable
Potassium	6.9		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	64	B ^2	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	91		10	1.2	mg/L	10		300.0	Total/NA
Sulfate	75		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	220		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	0.26		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	18.71				ft	1		Field Sampling	Total/NA
Field pH	7.13				SU	1		Field Sampling	Total/NA
Field Temperature	19.9				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	130.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.00				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1451				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.21				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_07

Lab Sample ID: 500-249028-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0080		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.099		0.0025	0.00073	mg/L	1		6020B	Total Recoverable
Boron	0.073		0.050	0.013	mg/L	1		6020B	Total Recoverable
Calcium	120		0.20	0.044	mg/L	1		6020B	Total Recoverable
Chromium	0.0012	J	0.0050	0.0011	mg/L	1		6020B	Total Recoverable
Cobalt	0.0068		0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Magnesium	42		0.20	0.049	mg/L	1		6020B	Total Recoverable
Potassium	2.5		0.50	0.11	mg/L	1		6020B	Total Recoverable
Sodium	32	B ^2	0.20	0.077	mg/L	1		6020B	Total Recoverable
Chloride	49		10	1.2	mg/L	10		300.0	Total/NA
Sulfate	60		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	300		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	560		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.13		0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	66.82				ft	1		Field Sampling	Total/NA
Field pH	6.97				SU	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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

Client Sample ID: HEN_07 (Continued)

Lab Sample ID: 500-249028-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	12.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	154.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.12				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1036				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.24				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_08

Lab Sample ID: 500-249028-15

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
Barium	0.12		0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	0.12		0.050	0.013	mg/L	1		6020B	Recoverable Total
Cadmium	0.00050		0.00050	0.00017	mg/L	1		6020B	Recoverable Total
Calcium	170		0.20	0.044	mg/L	1		6020B	Recoverable Total
Cobalt	0.0033		0.0010	0.00040	mg/L	1		6020B	Recoverable Total
Lead	0.00048	J	0.00050	0.00019	mg/L	1		6020B	Recoverable Total
Magnesium	47		0.20	0.049	mg/L	1		6020B	Recoverable Total
Potassium	9.6		0.50	0.11	mg/L	1		6020B	Recoverable Total
Sodium	120	B ^2	0.20	0.077	mg/L	1		6020B	Recoverable Total
Chloride	190		10	1.2	mg/L	10		300.0	Total/NA
Sulfate	110		10	2.1	mg/L	10		300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	500		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1100		10	4.3	mg/L	1		SM 2540C	Total/NA
Fluoride	0.093	J	0.10	0.056	mg/L	1		SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.23				ft	1		Field Sampling	Total/NA
Field pH	6.76				SU	1		Field Sampling	Total/NA
Field Temperature	14.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	166.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.30				mg/L	1		Field Sampling	Total/NA
Specific Conductance	1879				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.55				NTU	1		Field Sampling	Total/NA

Client Sample ID: HEN_08&D

Lab Sample ID: 500-249028-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0094		0.0050	0.0020	mg/L	1		200.7 Rev 4.4	Total
Barium	0.12		0.0025	0.00073	mg/L	1		6020B	Recoverable Total
Boron	0.099		0.050	0.013	mg/L	1		6020B	Recoverable Total
Cadmium	0.0011		0.00050	0.00017	mg/L	1		6020B	Recoverable Total
Calcium	200		0.20	0.044	mg/L	1		6020B	Recoverable Total

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_08&D (Continued)

Lab Sample ID: 500-249028-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cobalt	0.0068		0.0010	0.00040	mg/L	1			6020B	Total
Lead	0.00093		0.00050	0.00019	mg/L	1			6020B	Recoverable Total
Magnesium	56		0.20	0.049	mg/L	1			6020B	Recoverable Total
Potassium	5.2		0.50	0.11	mg/L	1			6020B	Recoverable Total
Sodium	190	B ^2	0.20	0.077	mg/L	1			6020B	Recoverable Total
Chloride	310		10	1.2	mg/L	10			300.0	Total/NA
Sulfate	190		10	2.1	mg/L	10			300.0	Total/NA
Bicarbonate Alkalinity as CaCO3	500		5.0	3.7	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	1400		10	4.3	mg/L	1			SM 2540C	Total/NA
Fluoride	0.11		0.10	0.056	mg/L	1			SM 4500 F C	Total/NA
Depth to Water (ft from MP)	51.66				ft	1			Field Sampling	Total/NA
Field pH	6.72				SU	1			Field Sampling	Total/NA
Field Temperature	13.8				Degrees C	1			Field Sampling	Total/NA
Oxidation Reduction Potential	154.4				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	1.08				mg/L	1			Field Sampling	Total/NA
Specific Conductance	3232				umhos/cm	1			Field Sampling	Total/NA
Turbidity	3.49				NTU	1			Field Sampling	Total/NA

Client Sample ID: HEN_FB

Lab Sample ID: 500-249028-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Boron	0.091		0.050	0.013	mg/L	1			6020B	Total
Calcium	0.093	J	0.20	0.044	mg/L	1			6020B	Recoverable Total
Magnesium	0.064	J	0.20	0.049	mg/L	1			6020B	Recoverable Total
Potassium	0.20	J	0.50	0.11	mg/L	1			6020B	Recoverable Total
Sodium	2.2	B ^2	0.20	0.077	mg/L	1			6020B	Recoverable Total
Chloride	0.91	J	1.0	0.12	mg/L	1			300.0	Total/NA
Sulfate	0.76	J	1.0	0.21	mg/L	1			300.0	Total/NA

Client Sample ID: HEN_YSG_ILRIVER

Lab Sample ID: 500-249028-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Depth to Water (ft from MP)	19.85				ft	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary 845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
HEN_845_802-805
SDG: HEN_845_802-805

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

ATTACHMENT B.
T - QUARTER 2, 2024
HENNEPIN, 802-805
HEN 845_802-805-249028-4
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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-249028-1	HEN_03R	Water	04/15/24 15:55	04/16/24 11:25
500-249028-2	HEN_03R_FD	Water	04/15/24 16:15	04/16/24 11:25
500-249028-7	HEN_18#S	Water	04/15/24 14:48	04/16/24 11:25
500-249028-8	HEN_18&D	Water	04/15/24 13:44	04/16/24 11:25
500-249028-10	HEN_45#S	Water	04/15/24 16:05	04/16/24 11:25
500-249028-14	HEN_07	Water	04/16/24 10:05	04/16/24 16:30
500-249028-15	HEN_08	Water	04/16/24 11:00	04/16/24 16:30
500-249028-16	HEN_08&D	Water	04/16/24 10:10	04/16/24 16:30
500-249028-24	HEN_FB	Water	04/16/24 14:30	04/16/24 16:30
500-249028-32	HEN_YSG_ILRIVER	Water	04/15/24 11:45	04/30/24 11:09

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_03R

Lab Sample ID: 500-249028-1

Date Collected: 04/15/24 15:55

Matrix: Water

Date Received: 04/16/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.023		0.0050	0.0020	mg/L		04/24/24 16:44	04/25/24 12:46	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		04/25/24 09:20	04/26/24 15:10	1
Arsenic	0.00031	J	0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 15:10	1
Barium	0.064		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 15:10	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 15:10	1
Boron	0.61		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 15:10	1
Cadmium	0.00018	J	0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 15:10	1
Calcium	99		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 15:10	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 15:10	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 15:10	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 15:10	1
Magnesium	29		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 15:10	1
Molybdenum	0.084		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 15:10	1
Potassium	8.1		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 15:10	1
Selenium	0.0056		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 15:10	1
Sodium	59	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 15:10	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 15:10	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		04/29/24 10:55	04/30/24 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	79		10	1.2	mg/L			05/06/24 13:34	10
Sulfate (EPA 300.0)	77		10	2.1	mg/L			05/06/24 13:34	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		5.0	3.7	mg/L			04/29/24 13:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 13:11	1
Total Dissolved Solids (SM 2540C)	570		10	4.3	mg/L			04/16/24 21:25	1
Fluoride (SM 4500 F C)	0.27		0.10	0.056	mg/L			05/03/24 12:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	32.42				ft			04/15/24 15:55	1
Field pH	7.20				SU			04/15/24 15:55	1
Field Temperature	17.9				Degrees C			04/15/24 15:55	1
Oxidation Reduction Potential	89.7				millivolts			04/15/24 15:55	1
Oxygen, Dissolved	0.36				mg/L			04/15/24 15:55	1
Specific Conductance	1007				umhos/cm			04/15/24 15:55	1
Turbidity	2.69				NTU			04/15/24 15:55	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_03R_FD

Lab Sample ID: 500-249028-2

Date Collected: 04/15/24 16:15

Matrix: Water

Date Received: 04/16/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.023		0.0050	0.0020	mg/L		04/24/24 16:44	04/25/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:20	04/26/24 15:25	1
Arsenic	0.00029	J	0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 15:25	1
Barium	0.063		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 15:25	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 15:25	1
Boron	0.60		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 15:25	1
Cadmium	0.00020	J	0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 15:25	1
Calcium	97		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 15:25	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 15:25	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 15:25	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 15:25	1
Magnesium	28		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 15:25	1
Molybdenum	0.081		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 15:25	1
Potassium	8.0		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 15:25	1
Selenium	0.0054		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 15:25	1
Sodium	58	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 15:25	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 15:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	78		10	1.2	mg/L			05/06/24 13:49	10
Sulfate (EPA 300.0)	79		10	2.1	mg/L			05/06/24 13:49	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240		5.0	3.7	mg/L			04/29/24 13:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 13:20	1
Total Dissolved Solids (SM 2540C)	540		10	4.3	mg/L			04/16/24 21:28	1
Fluoride (SM 4500 F C)	0.27		0.10	0.056	mg/L			05/03/24 12:52	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	32.42				ft			04/15/24 16:15	1
Field pH	7.20				SU			04/15/24 16:15	1
Field Temperature	17.9				Degrees C			04/15/24 16:15	1
Oxidation Reduction Potential	89.7				millivolts			04/15/24 16:15	1
Oxygen, Dissolved	0.36				mg/L			04/15/24 16:15	1
Specific Conductance	1007				umhos/cm			04/15/24 16:15	1
Turbidity	2.69				NTU			04/15/24 16:15	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_18#S

Lab Sample ID: 500-249028-7

Date Collected: 04/15/24 14:48

Matrix: Water

Date Received: 04/16/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.073		0.0050	0.0020	mg/L		04/24/24 16:44	04/25/24 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:20	04/26/24 15:35	1
Arsenic	0.00050	J	0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 15:35	1
Barium	0.068		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 15:35	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 15:35	1
Boron	5.1		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 15:35	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 15:35	1
Calcium	130		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 15:35	1
Chromium	0.0013	J	0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 15:35	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 15:35	1
Lead	0.00020	J	0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 15:35	1
Magnesium	29		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 15:35	1
Molybdenum	0.16		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 15:35	1
Potassium	11		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 15:35	1
Selenium	0.048		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 15:35	1
Sodium	52	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 15:35	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 15:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 08:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	65		10	1.2	mg/L			05/06/24 15:35	10
Sulfate (EPA 300.0)	220		10	2.1	mg/L			05/06/24 15:35	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	210		5.0	3.7	mg/L			04/29/24 14:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 14:08	1
Total Dissolved Solids (SM 2540C)	710		10	4.3	mg/L			04/16/24 21:41	1
Fluoride (SM 4500 F C)	0.15		0.10	0.056	mg/L			05/03/24 13:26	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	37.90				ft			04/15/24 14:48	1
Field pH	7.28				SU			04/15/24 14:48	1
Field Temperature	17.0				Degrees C			04/15/24 14:48	1
Oxidation Reduction Potential	97.6				millivolts			04/15/24 14:48	1
Oxygen, Dissolved	1.73				mg/L			04/15/24 14:48	1
Specific Conductance	1112				umhos/cm			04/15/24 14:48	1
Turbidity	1.93				NTU			04/15/24 14:48	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_18&D

Lab Sample ID: 500-249028-8

Date Collected: 04/15/24 13:44

Matrix: Water

Date Received: 04/16/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.030		0.0050	0.0020	mg/L		04/24/24 16:44	04/25/24 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:20	04/26/24 15:41	1
Arsenic	0.00048	J	0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 15:41	1
Barium	0.068		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 15:41	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 15:41	1
Boron	1.1		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 15:41	1
Cadmium	0.00041	J	0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 15:41	1
Calcium	96		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 15:41	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 15:41	1
Cobalt	0.0015		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 15:41	1
Lead	0.00050		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 15:41	1
Magnesium	29		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 15:41	1
Molybdenum	0.033		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 15:41	1
Potassium	9.2		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 15:41	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 15:41	1
Sodium	53	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 15:41	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 15:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	72		10	1.2	mg/L			05/06/24 15:50	10
Sulfate (EPA 300.0)	90		10	2.1	mg/L			05/06/24 15:50	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240		5.0	3.7	mg/L			04/29/24 14:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 14:17	1
Total Dissolved Solids (SM 2540C)	570		10	4.3	mg/L			04/16/24 21:43	1
Fluoride (SM 4500 F C)	0.15		0.10	0.056	mg/L			05/03/24 13:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	38.08				ft			04/15/24 13:44	1
Field pH	7.22				SU			04/15/24 13:44	1
Field Temperature	17.6				Degrees C			04/15/24 13:44	1
Oxidation Reduction Potential	90.8				millivolts			04/15/24 13:44	1
Oxygen, Dissolved	0.93				mg/L			04/15/24 13:44	1
Specific Conductance	973				umhos/cm			04/15/24 13:44	1
Turbidity	8.98				NTU			04/15/24 13:44	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

Client Sample ID: HEN_45#S

Lab Sample ID: 500-249028-10

Date Collected: 04/15/24 16:05

Matrix: Water

Date Received: 04/16/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.018		0.0050	0.0020	mg/L		04/24/24 16:44	04/25/24 13:20	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		04/25/24 09:20	04/26/24 15:46	1
Arsenic	0.00037	J	0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 15:46	1
Barium	0.085		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 15:46	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 15:46	1
Boron	0.33		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 15:46	1
Cadmium	0.00098		0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 15:46	1
Calcium	100		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 15:46	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 15:46	1
Cobalt	0.0016		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 15:46	1
Lead	0.00052		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 15:46	1
Magnesium	33		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 15:46	1
Molybdenum	0.051		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 15:46	1
Potassium	6.9		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 15:46	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 15:46	1
Sodium	64	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 15:46	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 15:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1 F2	0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	91		10	1.2	mg/L			05/06/24 16:21	10
Sulfate (EPA 300.0)	75		10	2.1	mg/L			05/06/24 16:21	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220		5.0	3.7	mg/L			04/29/24 14:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 14:36	1
Total Dissolved Solids (SM 2540C)	530		10	4.3	mg/L			04/16/24 22:21	1
Fluoride (SM 4500 F C)	0.26		0.10	0.056	mg/L			05/03/24 13:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	18.71				ft			04/15/24 16:05	1
Field pH	7.13				SU			04/15/24 16:05	1
Field Temperature	19.9				Degrees C			04/15/24 16:05	1
Oxidation Reduction Potential	130.7				millivolts			04/15/24 16:05	1
Oxygen, Dissolved	0.00				mg/L			04/15/24 16:05	1
Specific Conductance	1451				umhos/cm			04/15/24 16:05	1
Turbidity	4.21				NTU			04/15/24 16:05	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_07

Lab Sample ID: 500-249028-14

Date Collected: 04/16/24 10:05

Matrix: Water

Date Received: 04/16/24 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0080		0.0050	0.0020	mg/L		04/25/24 17:17	04/26/24 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:20	04/26/24 16:09	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 16:09	1
Barium	0.099		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 16:09	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 16:09	1
Boron	0.073		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 16:09	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 16:09	1
Calcium	120		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 16:09	1
Chromium	0.0012	J	0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 16:09	1
Cobalt	0.0068		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 16:09	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 16:09	1
Magnesium	42		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 16:09	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 16:09	1
Potassium	2.5		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 16:09	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 16:09	1
Sodium	32	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 16:09	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 16:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00019	mg/L		04/29/24 10:55	04/30/24 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	49		10	1.2	mg/L			05/06/24 17:36	10
Sulfate (EPA 300.0)	60		10	2.1	mg/L			05/06/24 17:36	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		5.0	3.7	mg/L			04/29/24 17:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 17:21	1
Total Dissolved Solids (SM 2540C)	560		10	4.3	mg/L			04/18/24 03:34	1
Fluoride (SM 4500 F C)	0.13		0.10	0.056	mg/L			05/03/24 13:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	66.82				ft			04/16/24 10:05	1
Field pH	6.97				SU			04/16/24 10:05	1
Field Temperature	12.8				Degrees C			04/16/24 10:05	1
Oxidation Reduction Potential	154.0				millivolts			04/16/24 10:05	1
Oxygen, Dissolved	5.12				mg/L			04/16/24 10:05	1
Specific Conductance	1036				umhos/cm			04/16/24 10:05	1
Turbidity	2.24				NTU			04/16/24 10:05	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

Client Sample ID: HEN_08

Lab Sample ID: 500-249028-15

Date Collected: 04/16/24 11:00

Matrix: Water

Date Received: 04/16/24 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.016		0.0050	0.0020	mg/L		04/25/24 17:17	04/26/24 12:20	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		04/25/24 09:20	04/26/24 16:11	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 16:11	1
Barium	0.12		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 16:11	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 16:11	1
Boron	0.12		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 16:11	1
Cadmium	0.00050		0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 16:11	1
Calcium	170		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 16:11	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 16:11	1
Cobalt	0.0033		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 16:11	1
Lead	0.00048	J	0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 16:11	1
Magnesium	47		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 16:11	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 16:11	1
Potassium	9.6		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 16:11	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 16:11	1
Sodium	120	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 16:11	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 16:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	190		10	1.2	mg/L			05/06/24 17:52	10
Sulfate (EPA 300.0)	110		10	2.1	mg/L			05/06/24 17:52	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	500		5.0	3.7	mg/L			04/29/24 17:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 17:30	1
Total Dissolved Solids (SM 2540C)	1100		10	4.3	mg/L			04/18/24 03:37	1
Fluoride (SM 4500 F C)	0.093	J	0.10	0.056	mg/L			05/03/24 13:49	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.23				ft			04/16/24 11:00	1
Field pH	6.76				SU			04/16/24 11:00	1
Field Temperature	14.6				Degrees C			04/16/24 11:00	1
Oxidation Reduction Potential	166.9				millivolts			04/16/24 11:00	1
Oxygen, Dissolved	2.30				mg/L			04/16/24 11:00	1
Specific Conductance	1879				umhos/cm			04/16/24 11:00	1
Turbidity	0.55				NTU			04/16/24 11:00	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Client Sample ID: HEN_08&D

Lab Sample ID: 500-249028-16

Date Collected: 04/16/24 10:10

Matrix: Water

Date Received: 04/16/24 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.0094		0.0050	0.0020	mg/L		04/26/24 08:48	04/30/24 12:38	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		04/25/24 09:20	04/26/24 16:13	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 16:13	1
Barium	0.12		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 16:13	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 16:13	1
Boron	0.099		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 16:13	1
Cadmium	0.0011		0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 16:13	1
Calcium	200		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 16:13	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 16:13	1
Cobalt	0.0068		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 16:13	1
Lead	0.00093		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 16:13	1
Magnesium	56		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 16:13	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 16:13	1
Potassium	5.2		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 16:13	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 16:13	1
Sodium	190	B ^2	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 16:13	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 16:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	310		10	1.2	mg/L			05/06/24 18:07	10
Sulfate (EPA 300.0)	190		10	2.1	mg/L			05/06/24 18:07	10
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	500		5.0	3.7	mg/L			04/29/24 17:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 17:40	1
Total Dissolved Solids (SM 2540C)	1400		10	4.3	mg/L			04/18/24 03:39	1
Fluoride (SM 4500 F C)	0.11		0.10	0.056	mg/L			05/03/24 13:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	51.66				ft			04/16/24 10:10	1
Field pH	6.72				SU			04/16/24 10:10	1
Field Temperature	13.8				Degrees C			04/16/24 10:10	1
Oxidation Reduction Potential	154.4				millivolts			04/16/24 10:10	1
Oxygen, Dissolved	1.08				mg/L			04/16/24 10:10	1
Specific Conductance	3232				umhos/cm			04/16/24 10:10	1
Turbidity	3.49				NTU			04/16/24 10:10	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

Client Sample ID: HEN_FB

Lab Sample ID: 500-249028-24

Date Collected: 04/16/24 14:30

Matrix: Water

Date Received: 04/16/24 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050	^1+	0.0050	0.0020	mg/L		04/26/24 08:48	04/29/24 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:23	04/26/24 14:23	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/25/24 09:23	04/26/24 14:23	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/25/24 09:23	04/26/24 14:23	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:23	04/26/24 14:23	1
Boron	0.091		0.050	0.013	mg/L		04/25/24 09:23	04/29/24 13:09	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/25/24 09:23	04/26/24 14:23	1
Calcium	0.093	J	0.20	0.044	mg/L		04/25/24 09:23	04/26/24 14:23	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:23	04/26/24 14:23	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/25/24 09:23	04/26/24 14:23	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/25/24 09:23	04/26/24 14:23	1
Magnesium	0.064	J	0.20	0.049	mg/L		04/25/24 09:23	04/26/24 14:23	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/25/24 09:23	04/26/24 14:23	1
Potassium	0.20	J	0.50	0.11	mg/L		04/25/24 09:23	04/26/24 14:23	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:23	04/26/24 14:23	1
Sodium	2.2	B ^2	0.20	0.077	mg/L		04/25/24 09:23	04/26/24 14:23	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:23	04/26/24 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		04/29/24 10:55	04/30/24 07:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	0.91	J	1.0	0.12	mg/L			05/06/24 21:23	1
Sulfate (EPA 300.0)	0.76	J	1.0	0.21	mg/L			05/06/24 21:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 18:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<5.0		5.0	3.7	mg/L			04/29/24 18:57	1
Total Dissolved Solids (SM 2540C)	<10		10	4.3	mg/L			04/18/24 23:03	1
Fluoride (SM 4500 F C)	<0.10		0.10	0.056	mg/L			05/03/24 14:03	1

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

Client Sample ID: HEN_YSG_ILRIVER Lab Sample ID: 500-249028-32
Date Collected: 04/15/24 11:45 Matrix: Water
Date Received: 04/30/24 11:09

Method: EPA Field Sampling - Field Sampling									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	19.85				ft			04/15/24 11:45	1



Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

Metals

Prep Batch: 764775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total Recoverable	Water	200.7	
500-249028-2	HEN_03R_FD	Total Recoverable	Water	200.7	
500-249028-7	HEN_18#S	Total Recoverable	Water	200.7	
500-249028-8	HEN_18&D	Total Recoverable	Water	200.7	
500-249028-10	HEN_45#S	Total Recoverable	Water	200.7	
MB 500-764775/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-764775/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 764893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total Recoverable	Water	3005A	
500-249028-2	HEN_03R_FD	Total Recoverable	Water	3005A	
500-249028-7	HEN_18#S	Total Recoverable	Water	3005A	
500-249028-8	HEN_18&D	Total Recoverable	Water	3005A	
500-249028-10	HEN_45#S	Total Recoverable	Water	3005A	
500-249028-14	HEN_07	Total Recoverable	Water	3005A	
500-249028-15	HEN_08	Total Recoverable	Water	3005A	
500-249028-16	HEN_08&D	Total Recoverable	Water	3005A	
MB 500-764893/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-764893/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-249028-1 MS	HEN_03R	Total Recoverable	Water	3005A	
500-249028-1 MSD	HEN_03R	Total Recoverable	Water	3005A	
500-249028-1 DU	HEN_03R	Total Recoverable	Water	3005A	

Prep Batch: 764894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-24	HEN_FB	Total Recoverable	Water	3005A	
MB 500-764894/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-764894/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 764960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total Recoverable	Water	200.7 Rev 4.4	764775
500-249028-2	HEN_03R_FD	Total Recoverable	Water	200.7 Rev 4.4	764775
500-249028-7	HEN_18#S	Total Recoverable	Water	200.7 Rev 4.4	764775
500-249028-8	HEN_18&D	Total Recoverable	Water	200.7 Rev 4.4	764775
500-249028-10	HEN_45#S	Total Recoverable	Water	200.7 Rev 4.4	764775
MB 500-764775/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	764775
LCS 500-764775/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	764775

Prep Batch: 765021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-14	HEN_07	Total Recoverable	Water	200.7	
500-249028-15	HEN_08	Total Recoverable	Water	200.7	
MB 500-765021/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-765021/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-249028-15 MS	HEN_08	Total Recoverable	Water	200.7	
500-249028-15 DU	HEN_08	Total Recoverable	Water	200.7	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

Metals

Prep Batch: 765119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-16	HEN_08&D	Total Recoverable	Water	200.7	
500-249028-24	HEN_FB	Total Recoverable	Water	200.7	
MB 500-765119/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-765119/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
500-249028-H-14-E MS	500-249028-H-14-E MS	Total Recoverable	Water	200.7	
500-249028-H-14-D DU	500-249028-H-14-D DU	Total Recoverable	Water	200.7	

Analysis Batch: 765188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-14	HEN_07	Total Recoverable	Water	200.7 Rev 4.4	765021
500-249028-15	HEN_08	Total Recoverable	Water	200.7 Rev 4.4	765021
MB 500-765021/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	765021
LCS 500-765021/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	765021
500-249028-15 MS	HEN_08	Total Recoverable	Water	200.7 Rev 4.4	765021
500-249028-15 DU	HEN_08	Total Recoverable	Water	200.7 Rev 4.4	765021

Analysis Batch: 765372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total Recoverable	Water	6020B	764893
500-249028-2	HEN_03R_FD	Total Recoverable	Water	6020B	764893
500-249028-7	HEN_18#S	Total Recoverable	Water	6020B	764893
500-249028-8	HEN_18&D	Total Recoverable	Water	6020B	764893
500-249028-10	HEN_45#S	Total Recoverable	Water	6020B	764893
500-249028-14	HEN_07	Total Recoverable	Water	6020B	764893
500-249028-15	HEN_08	Total Recoverable	Water	6020B	764893
500-249028-16	HEN_08&D	Total Recoverable	Water	6020B	764893
500-249028-24	HEN_FB	Total Recoverable	Water	6020B	764894
MB 500-764893/1-A	Method Blank	Total Recoverable	Water	6020B	764893
MB 500-764894/1-A	Method Blank	Total Recoverable	Water	6020B	764894
LCS 500-764893/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764893
LCS 500-764894/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764894
500-249028-1 MS	HEN_03R	Total Recoverable	Water	6020B	764893
500-249028-1 MSD	HEN_03R	Total Recoverable	Water	6020B	764893
500-249028-1 DU	HEN_03R	Total Recoverable	Water	6020B	764893

Prep Batch: 765382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	7470A	
500-249028-2	HEN_03R_FD	Total/NA	Water	7470A	
500-249028-7	HEN_18#S	Total/NA	Water	7470A	
500-249028-8	HEN_18&D	Total/NA	Water	7470A	
500-249028-10	HEN_45#S	Total/NA	Water	7470A	
500-249028-14	HEN_07	Total/NA	Water	7470A	
500-249028-15	HEN_08	Total/NA	Water	7470A	
500-249028-16	HEN_08&D	Total/NA	Water	7470A	
MB 500-765382/11-A	Method Blank	Total/NA	Water	7470A	
LCS 500-765382/12-A	Lab Control Sample	Total/NA	Water	7470A	
500-249028-10 MS	HEN_45#S	Total/NA	Water	7470A	
500-249028-10 MSD	HEN_45#S	Total/NA	Water	7470A	
500-249028-10 DU	HEN_45#S	Total/NA	Water	7470A	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

Metals

Prep Batch: 765389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-24	HEN_FB	Total/NA	Water	7470A	
MB 500-765389/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-765389/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 765568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-24	HEN_FB	Total Recoverable	Water	6020B	764894
MB 500-764894/1-A	Method Blank	Total Recoverable	Water	6020B	764894
LCS 500-764894/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764894

Analysis Batch: 765585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-24	HEN_FB	Total Recoverable	Water	200.7 Rev 4.4	765119
MB 500-765119/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	765119
LCS 500-765119/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	765119

Analysis Batch: 765626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	7470A	765382
500-249028-2	HEN_03R_FD	Total/NA	Water	7470A	765382
500-249028-7	HEN_18#S	Total/NA	Water	7470A	765382
500-249028-8	HEN_18&D	Total/NA	Water	7470A	765382
500-249028-10	HEN_45#S	Total/NA	Water	7470A	765382
500-249028-14	HEN_07	Total/NA	Water	7470A	765382
500-249028-15	HEN_08	Total/NA	Water	7470A	765382
500-249028-16	HEN_08&D	Total/NA	Water	7470A	765382
500-249028-24	HEN_FB	Total/NA	Water	7470A	765389
MB 500-765382/11-A	Method Blank	Total/NA	Water	7470A	765382
MB 500-765389/12-A	Method Blank	Total/NA	Water	7470A	765389
LCS 500-765382/12-A	Lab Control Sample	Total/NA	Water	7470A	765382
LCS 500-765389/13-A	Lab Control Sample	Total/NA	Water	7470A	765389
500-249028-10 MS	HEN_45#S	Total/NA	Water	7470A	765382
500-249028-10 MSD	HEN_45#S	Total/NA	Water	7470A	765382
500-249028-10 DU	HEN_45#S	Total/NA	Water	7470A	765382

Analysis Batch: 765664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-16	HEN_08&D	Total Recoverable	Water	200.7 Rev 4.4	765119
500-249028-H-14-E MS	500-249028-H-14-E MS	Total Recoverable	Water	200.7 Rev 4.4	765119
500-249028-H-14-D DU	500-249028-H-14-D DU	Total Recoverable	Water	200.7 Rev 4.4	765119

General Chemistry

Analysis Batch: 763450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	SM 2540C	
500-249028-2	HEN_03R_FD	Total/NA	Water	SM 2540C	
500-249028-7	HEN_18#S	Total/NA	Water	SM 2540C	
500-249028-8	HEN_18&D	Total/NA	Water	SM 2540C	
MB 500-763450/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-763450/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

General Chemistry

Analysis Batch: 763451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-10	HEN_45#S	Total/NA	Water	SM 2540C	
MB 500-763451/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-763451/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-249028-10 MS	HEN_45#S	Total/NA	Water	SM 2540C	
500-249028-10 DU	HEN_45#S	Total/NA	Water	SM 2540C	

Analysis Batch: 763630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-14	HEN_07	Total/NA	Water	SM 2540C	
500-249028-15	HEN_08	Total/NA	Water	SM 2540C	
500-249028-16	HEN_08&D	Total/NA	Water	SM 2540C	
MB 500-763630/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-763630/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 763874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-24	HEN_FB	Total/NA	Water	SM 2540C	
MB 500-763874/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-763874/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 765622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	SM 2320B	
500-249028-2	HEN_03R_FD	Total/NA	Water	SM 2320B	
500-249028-7	HEN_18#S	Total/NA	Water	SM 2320B	
500-249028-8	HEN_18&D	Total/NA	Water	SM 2320B	
500-249028-10	HEN_45#S	Total/NA	Water	SM 2320B	
500-249028-14	HEN_07	Total/NA	Water	SM 2320B	
500-249028-15	HEN_08	Total/NA	Water	SM 2320B	
500-249028-16	HEN_08&D	Total/NA	Water	SM 2320B	
500-249028-24	HEN_FB	Total/NA	Water	SM 2320B	
MB 500-765622/28	Method Blank	Total/NA	Water	SM 2320B	
MB 500-765622/78	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-765622/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 500-765622/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 766360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	300.0	
500-249028-2	HEN_03R_FD	Total/NA	Water	300.0	
500-249028-7	HEN_18#S	Total/NA	Water	300.0	
500-249028-8	HEN_18&D	Total/NA	Water	300.0	
500-249028-10	HEN_45#S	Total/NA	Water	300.0	
500-249028-14	HEN_07	Total/NA	Water	300.0	
500-249028-15	HEN_08	Total/NA	Water	300.0	
500-249028-16	HEN_08&D	Total/NA	Water	300.0	
MB 500-766360/3	Method Blank	Total/NA	Water	300.0	
LCS 500-766360/4	Lab Control Sample	Total/NA	Water	300.0	

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

General Chemistry

Analysis Batch: 766368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	SM 4500 F C	
500-249028-2	HEN_03R_FD	Total/NA	Water	SM 4500 F C	
500-249028-7	HEN_18#S	Total/NA	Water	SM 4500 F C	
500-249028-8	HEN_18&D	Total/NA	Water	SM 4500 F C	
500-249028-10	HEN_45#S	Total/NA	Water	SM 4500 F C	
500-249028-14	HEN_07	Total/NA	Water	SM 4500 F C	
500-249028-15	HEN_08	Total/NA	Water	SM 4500 F C	
500-249028-16	HEN_08&D	Total/NA	Water	SM 4500 F C	
500-249028-24	HEN_FB	Total/NA	Water	SM 4500 F C	
MB 500-766368/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-766368/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 766585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-24	HEN_FB	Total/NA	Water	300.0	
MB 500-766585/3	Method Blank	Total/NA	Water	300.0	
LCS 500-766585/4	Lab Control Sample	Total/NA	Water	300.0	
500-249028-24 MS	HEN_FB	Total/NA	Water	300.0	
500-249028-24 MSD	HEN_FB	Total/NA	Water	300.0	

Field Service / Mobile Lab

Analysis Batch: 765661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	Field Sampling	
500-249028-2	HEN_03R_FD	Total/NA	Water	Field Sampling	
500-249028-7	HEN_18#S	Total/NA	Water	Field Sampling	
500-249028-8	HEN_18&D	Total/NA	Water	Field Sampling	
500-249028-10	HEN_45#S	Total/NA	Water	Field Sampling	
500-249028-14	HEN_07	Total/NA	Water	Field Sampling	
500-249028-15	HEN_08	Total/NA	Water	Field Sampling	
500-249028-16	HEN_08&D	Total/NA	Water	Field Sampling	

Analysis Batch: 765820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-32	HEN_YSG_ILRIVER	Total/NA	Water	Field Sampling	

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-764775/1-A
Matrix: Water
Analysis Batch: 764960

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		04/24/24 16:44	04/25/24 12:30	1

Lab Sample ID: LCS 500-764775/2-A
Matrix: Water
Analysis Batch: 764960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.266		mg/L		106	85 - 115

Lab Sample ID: MB 500-765021/1-A
Matrix: Water
Analysis Batch: 765188

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 765021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050		0.0050	0.0020	mg/L		04/25/24 17:17	04/26/24 11:25	1

Lab Sample ID: LCS 500-765021/2-A
Matrix: Water
Analysis Batch: 765188

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 765021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.240		mg/L		96	85 - 115

Lab Sample ID: 500-249028-15 MS
Matrix: Water
Analysis Batch: 765188

Client Sample ID: HEN_08
Prep Type: Total Recoverable
Prep Batch: 765021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.016		0.250	0.266		mg/L			

Lab Sample ID: 500-249028-15 DU
Matrix: Water
Analysis Batch: 765188

Client Sample ID: HEN_08
Prep Type: Total Recoverable
Prep Batch: 765021

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.016		0.0161		mg/L			20

Lab Sample ID: MB 500-765119/1-A
Matrix: Water
Analysis Batch: 765585

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 765119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0050	^1+	0.0050	0.0020	mg/L		04/26/24 08:48	04/29/24 16:47	1

Lab Sample ID: LCS 500-765119/2-A
Matrix: Water
Analysis Batch: 765585

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 765119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.250	0.252	^1+	mg/L		101	85 - 115

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 500-249028-H-14-E MS
Matrix: Water
Analysis Batch: 765664

Client Sample ID: 500-249028-H-14-E MS
Prep Type: Total Recoverable
Prep Batch: 765119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0095		0.250	0.0157	F1	mg/L		2	70 - 130

Lab Sample ID: 500-249028-H-14-D DU
Matrix: Water
Analysis Batch: 765664

Client Sample ID: 500-249028-H-14-D DU
Prep Type: Total Recoverable
Prep Batch: 765119

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lithium	0.0095		0.0212	F3	mg/L		76	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-764893/1-A
Matrix: Water
Analysis Batch: 765372

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:20	04/26/24 15:06	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/25/24 09:20	04/26/24 15:06	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/25/24 09:20	04/26/24 15:06	1
Beryllium	<0.0010	^5-	0.0010	0.00053	mg/L		04/25/24 09:20	04/26/24 15:06	1
Boron	<0.050		0.050	0.013	mg/L		04/25/24 09:20	04/26/24 15:06	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/25/24 09:20	04/26/24 15:06	1
Calcium	<0.20		0.20	0.044	mg/L		04/25/24 09:20	04/26/24 15:06	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:20	04/26/24 15:06	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/25/24 09:20	04/26/24 15:06	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/25/24 09:20	04/26/24 15:06	1
Magnesium	<0.20		0.20	0.049	mg/L		04/25/24 09:20	04/26/24 15:06	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/25/24 09:20	04/26/24 15:06	1
Potassium	<0.50		0.50	0.11	mg/L		04/25/24 09:20	04/26/24 15:06	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:20	04/26/24 15:06	1
Sodium	0.180	J	0.20	0.077	mg/L		04/25/24 09:20	04/26/24 15:06	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:20	04/26/24 15:06	1

Lab Sample ID: LCS 500-764893/2-A
Matrix: Water
Analysis Batch: 765372

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.504		mg/L		101	80 - 120
Arsenic	0.100	0.0969		mg/L		97	80 - 120
Barium	0.500	0.497		mg/L		99	80 - 120
Beryllium	0.0500	0.0502	^5-	mg/L		100	80 - 120
Boron	1.00	0.956		mg/L		96	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Calcium	10.0	8.82		mg/L		88	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Cobalt	0.500	0.503		mg/L		101	80 - 120
Lead	0.100	0.0970		mg/L		97	80 - 120
Magnesium	10.0	10.2		mg/L		102	80 - 120

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

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

Lab Sample ID: LCS 500-764893/2-A
Matrix: Water
Analysis Batch: 765372

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	1.00	0.958		mg/L		96	80 - 120
Potassium	10.0	10.1		mg/L		101	80 - 120
Selenium	0.100	0.0978		mg/L		98	80 - 120
Sodium	10.0	10.2		mg/L		102	80 - 120
Thallium	0.100	0.0974		mg/L		97	80 - 120

Lab Sample ID: 500-249028-1 MS
Matrix: Water
Analysis Batch: 765372

Client Sample ID: HEN_03R
Prep Type: Total Recoverable
Prep Batch: 764893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.528		mg/L		106	75 - 125
Arsenic	0.00031	J	0.100	0.104		mg/L		103	75 - 125
Barium	0.064		0.500	0.575		mg/L		102	75 - 125
Beryllium	<0.0010	^5-	0.0500	0.0499	^5-	mg/L		100	75 - 125
Boron	0.61		1.00	1.58		mg/L		97	75 - 125
Cadmium	0.00018	J	0.0500	0.0519		mg/L		103	75 - 125
Calcium	99		10.0	109	4	mg/L		97	75 - 125
Chromium	<0.0050		0.200	0.204		mg/L		102	75 - 125
Cobalt	<0.0010		0.500	0.501		mg/L		100	75 - 125
Lead	<0.00050		0.100	0.0999		mg/L		100	75 - 125
Magnesium	29		10.0	38.7		mg/L		97	75 - 125
Molybdenum	0.084		1.00	1.11		mg/L		103	75 - 125
Potassium	8.1		10.0	18.2		mg/L		100	75 - 125
Selenium	0.0056		0.100	0.106		mg/L		100	75 - 125
Sodium	59	B ^2	10.0	68.5	4	mg/L		96	75 - 125
Thallium	<0.0020		0.100	0.100		mg/L		100	75 - 125

Lab Sample ID: 500-249028-1 MSD
Matrix: Water
Analysis Batch: 765372

Client Sample ID: HEN_03R
Prep Type: Total Recoverable
Prep Batch: 764893

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Antimony	<0.0030		0.500	0.534		mg/L		107	75 - 125	1	20
Arsenic	0.00031	J	0.100	0.103		mg/L		102	75 - 125	1	20
Barium	0.064		0.500	0.573		mg/L		102	75 - 125	0	20
Beryllium	<0.0010	^5-	0.0500	0.0489	^5-	mg/L		98	75 - 125	2	20
Boron	0.61		1.00	1.59		mg/L		98	75 - 125	0	20
Cadmium	0.00018	J	0.0500	0.0520		mg/L		104	75 - 125	0	20
Calcium	99		10.0	107	4	mg/L		82	75 - 125	1	20
Chromium	<0.0050		0.200	0.203		mg/L		102	75 - 125	0	20
Cobalt	<0.0010		0.500	0.492		mg/L		98	75 - 125	2	20
Lead	<0.00050		0.100	0.0991		mg/L		99	75 - 125	1	20
Magnesium	29		10.0	38.3		mg/L		93	75 - 125	1	20
Molybdenum	0.084		1.00	1.10		mg/L		102	75 - 125	1	20
Potassium	8.1		10.0	17.9		mg/L		98	75 - 125	1	20
Selenium	0.0056		0.100	0.105		mg/L		99	75 - 125	1	20
Sodium	59	B ^2	10.0	67.8	4	mg/L		90	75 - 125	1	20
Thallium	<0.0020		0.100	0.0998		mg/L		100	75 - 125	0	20

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

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

Lab Sample ID: 500-249028-1 DU
Matrix: Water
Analysis Batch: 765372

Client Sample ID: HEN_03R
Prep Type: Total Recoverable
Prep Batch: 764893

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.00031	J	0.000355	J	mg/L		13	20
Barium	0.064		0.0644		mg/L		0.3	20
Beryllium	<0.0010	^5-	<0.0010		mg/L		NC	20
Boron	0.61		0.605		mg/L		1	20
Cadmium	0.00018	J	0.000194	J	mg/L		5	20
Calcium	99		98.6		mg/L		0.3	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Magnesium	29		29.0		mg/L		0.1	20
Molybdenum	0.084		0.0836		mg/L		0	20
Potassium	8.1		8.20		mg/L		0.8	20
Selenium	0.0056		0.00591		mg/L		6	20
Sodium	59	B ^2	59.3		mg/L		0.8	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-764894/1-A
Matrix: Water
Analysis Batch: 765372

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		04/25/24 09:23	04/26/24 13:22	1
Arsenic	<0.0010		0.0010	0.00023	mg/L		04/25/24 09:23	04/26/24 13:22	1
Barium	<0.0025		0.0025	0.00073	mg/L		04/25/24 09:23	04/26/24 13:22	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		04/25/24 09:23	04/26/24 13:22	1
Calcium	<0.20		0.20	0.044	mg/L		04/25/24 09:23	04/26/24 13:22	1
Chromium	<0.0050		0.0050	0.0011	mg/L		04/25/24 09:23	04/26/24 13:22	1
Cobalt	<0.0010		0.0010	0.00040	mg/L		04/25/24 09:23	04/26/24 13:22	1
Lead	<0.00050		0.00050	0.00019	mg/L		04/25/24 09:23	04/26/24 13:22	1
Magnesium	<0.20		0.20	0.049	mg/L		04/25/24 09:23	04/26/24 13:22	1
Molybdenum	<0.0050		0.0050	0.0025	mg/L		04/25/24 09:23	04/26/24 13:22	1
Potassium	<0.50		0.50	0.11	mg/L		04/25/24 09:23	04/26/24 13:22	1
Selenium	<0.0025		0.0025	0.00098	mg/L		04/25/24 09:23	04/26/24 13:22	1
Sodium	0.179	J	0.20	0.077	mg/L		04/25/24 09:23	04/26/24 13:22	1
Thallium	<0.0020		0.0020	0.00057	mg/L		04/25/24 09:23	04/26/24 13:22	1

Lab Sample ID: MB 500-764894/1-A
Matrix: Water
Analysis Batch: 765568

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 764894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0010		0.0010	0.00053	mg/L		04/25/24 09:23	04/29/24 12:58	1
Boron	<0.050		0.050	0.013	mg/L		04/25/24 09:23	04/29/24 12:58	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

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

Lab Sample ID: LCS 500-764894/2-A
Matrix: Water
Analysis Batch: 765372

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.509		mg/L		102	80 - 120
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	0.500	0.525		mg/L		105	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Calcium	10.0	9.32		mg/L		93	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Cobalt	0.500	0.513		mg/L		103	80 - 120
Lead	0.100	0.0980		mg/L		98	80 - 120
Magnesium	10.0	9.97		mg/L		100	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	0.102		mg/L		102	80 - 120
Sodium	10.0	9.84		mg/L		98	80 - 120
Thallium	0.100	0.0992		mg/L		99	80 - 120

Lab Sample ID: LCS 500-764894/2-A
Matrix: Water
Analysis Batch: 765568

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 764894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0536		mg/L		107	80 - 120
Boron	1.00	1.05		mg/L		105	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-765382/11-A
Matrix: Water
Analysis Batch: 765626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 765382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 08:21	1

Lab Sample ID: LCS 500-765382/12-A
Matrix: Water
Analysis Batch: 765626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 765382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00203		mg/L		101	80 - 120

Lab Sample ID: 500-249028-10 MS
Matrix: Water
Analysis Batch: 765626

Client Sample ID: HEN_45#S
Prep Type: Total/NA
Prep Batch: 765382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020	F1 F2	0.00100	0.00116		mg/L		116	75 - 125

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

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

Lab Sample ID: 500-249028-10 MSD
Matrix: Water
Analysis Batch: 765626

Client Sample ID: HEN_45#S
Prep Type: Total/NA
Prep Batch: 765382

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020	F1 F2	0.00100	0.00146	F1 F2	mg/L		146	75 - 125	23	20

Lab Sample ID: 500-249028-10 DU
Matrix: Water
Analysis Batch: 765626

Client Sample ID: HEN_45#S
Prep Type: Total/NA
Prep Batch: 765382

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020	F1 F2	<0.00020		mg/L		NC	20

Lab Sample ID: MB 500-765389/12-A
Matrix: Water
Analysis Batch: 765626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 765389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000076	mg/L		04/29/24 10:55	04/30/24 07:12	1

Lab Sample ID: LCS 500-765389/13-A
Matrix: Water
Analysis Batch: 765626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 765389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00191		mg/L		95	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-766360/3
Matrix: Water
Analysis Batch: 766360

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			05/06/24 11:32	1
Sulfate	<1.0		1.0	0.21	mg/L			05/06/24 11:32	1

Lab Sample ID: LCS 500-766360/4
Matrix: Water
Analysis Batch: 766360

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.7		mg/L		99	90 - 110
Sulfate	20.0	20.4		mg/L		102	90 - 110

Lab Sample ID: MB 500-766585/3
Matrix: Water
Analysis Batch: 766585

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0	0.12	mg/L			05/06/24 13:03	1
Sulfate	<1.0		1.0	0.21	mg/L			05/06/24 13:03	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2-805
SDG: HEN_845_802-805

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-766585/4
Matrix: Water
Analysis Batch: 766585

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.6		mg/L		98	90 - 110
Sulfate	20.0	20.4		mg/L		102	90 - 110

Lab Sample ID: 500-249028-24 MS
Matrix: Water
Analysis Batch: 766585

Client Sample ID: HEN_FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.91	J	10.0	10.2		mg/L		93	80 - 120
Sulfate	0.76	J	10.0	10.6		mg/L		99	80 - 120

Lab Sample ID: 500-249028-24 MSD
Matrix: Water
Analysis Batch: 766585

Client Sample ID: HEN_FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.91	J	10.0	10.0		mg/L		91	80 - 120	2	20
Sulfate	0.76	J	10.0	10.4		mg/L		96	80 - 120	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-765622/28
Matrix: Water
Analysis Batch: 765622

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			04/29/24 15:30	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/29/24 15:30	1

Lab Sample ID: MB 500-765622/78
Matrix: Water
Analysis Batch: 765622

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			04/29/24 22:42	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	3.7	mg/L			04/29/24 22:42	1

Lab Sample ID: LCS 500-765622/29
Matrix: Water
Analysis Batch: 765622

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

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

Lab Sample ID: LCS 500-765622/4
Matrix: Water
Analysis Batch: 765622

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

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

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

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

Lab Sample ID: MB 500-763450/1
Matrix: Water
Analysis Batch: 763450

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			04/16/24 20:47	1

Lab Sample ID: LCS 500-763450/2
Matrix: Water
Analysis Batch: 763450

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	234		mg/L		94	80 - 120

Lab Sample ID: MB 500-763451/1
Matrix: Water
Analysis Batch: 763451

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			04/16/24 22:21	1

Lab Sample ID: LCS 500-763451/2
Matrix: Water
Analysis Batch: 763451

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	274		mg/L		110	80 - 120

Lab Sample ID: 500-249028-10 MS
Matrix: Water
Analysis Batch: 763451

Client Sample ID: HEN_45#S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	530		250	766		mg/L		96	75 - 125

Lab Sample ID: 500-249028-10 DU
Matrix: Water
Analysis Batch: 763451

Client Sample ID: HEN_45#S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	530		546		mg/L		4	5

Lab Sample ID: MB 500-763630/1
Matrix: Water
Analysis Batch: 763630

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			04/18/24 02:43	1

Lab Sample ID: LCS 500-763630/2
Matrix: Water
Analysis Batch: 763630

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	268		mg/L		107	80 - 120

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 590-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

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

Lab Sample ID: MB 500-763874/1
Matrix: Water
Analysis Batch: 763874

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			04/18/24 22:43	1

Lab Sample ID: LCS 500-763874/2
Matrix: Water
Analysis Batch: 763874

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	252		mg/L		101	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-766368/3
Matrix: Water
Analysis Batch: 766368

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10	0.056	mg/L			05/03/24 12:22	1

Lab Sample ID: LCS 500-766368/4
Matrix: Water
Analysis Batch: 766368

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	9.68		mg/L		97	90 - 119

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-845-802-805
SDG: HEN_845_802-805

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

Client Sample ID: HEN_03R

Date Collected: 04/15/24 15:55

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			764775	MC	EET CHI	04/24/24 16:44 - 04/24/24 22:44 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	764960	SJ	EET CHI	04/25/24 12:46
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 15:10
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 08:25
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 13:34
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 13:11
Total/NA	Analysis	SM 2540C		1	763450	CLB	EET CHI	04/16/24 21:25
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 12:47
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/15/24 15:55

Client Sample ID: HEN_03R_FD

Date Collected: 04/15/24 16:15

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			764775	MC	EET CHI	04/24/24 16:44 - 04/24/24 22:44 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	764960	SJ	EET CHI	04/25/24 12:58
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 15:25
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 08:27
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 13:49
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 13:20
Total/NA	Analysis	SM 2540C		1	763450	CLB	EET CHI	04/16/24 21:28
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 12:52
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/15/24 16:15

Client Sample ID: HEN_18#S

Date Collected: 04/15/24 14:48

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			764775	MC	EET CHI	04/24/24 16:44 - 04/24/24 22:44 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	764960	SJ	EET CHI	04/25/24 13:12
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 15:35
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 08:42
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 15:35
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 14:08
Total/NA	Analysis	SM 2540C		1	763450	CLB	EET CHI	04/16/24 21:41

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Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN-24Q2
SDG: HEN_845_802-805

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

Client Sample ID: HEN_18#S

Date Collected: 04/15/24 14:48

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 13:26
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/15/24 14:48

Client Sample ID: HEN_18&D

Date Collected: 04/15/24 13:44

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			764775	MC	EET CHI	04/24/24 16:44 - 04/24/24 22:44 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	764960	SJ	EET CHI	04/25/24 13:16
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 15:41
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 08:44
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 15:50
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 14:17
Total/NA	Analysis	SM 2540C		1	763450	CLB	EET CHI	04/16/24 21:43
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 13:30
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/15/24 13:44

Client Sample ID: HEN_45#S

Date Collected: 04/15/24 16:05

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			764775	MC	EET CHI	04/24/24 16:44 - 04/24/24 22:44 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	764960	SJ	EET CHI	04/25/24 13:20
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 15:46
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 08:48
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 16:21
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 14:36
Total/NA	Analysis	SM 2540C		1	763451	CLB	EET CHI	04/16/24 22:21
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 13:40
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/15/24 16:05

Client Sample ID: HEN_07

Date Collected: 04/16/24 10:05

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			765021	MC	EET CHI	04/25/24 17:17 - 04/25/24 23:17 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	765188	SJ	EET CHI	04/26/24 12:16

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
SDG: HEN_845_802-805

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

Client Sample ID: HEN_07

Date Collected: 04/16/24 10:05

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 16:09
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 09:10
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 17:36
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 17:21
Total/NA	Analysis	SM 2540C		1	763630	CLB	EET CHI	04/18/24 03:34
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 13:44
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/16/24 10:05

Client Sample ID: HEN_08

Date Collected: 04/16/24 11:00

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			765021	MC	EET CHI	04/25/24 17:17 - 04/25/24 23:17 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	765188	SJ	EET CHI	04/26/24 12:20
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 16:11
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 09:12
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 17:52
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 17:30
Total/NA	Analysis	SM 2540C		1	763630	CLB	EET CHI	04/18/24 03:37
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 13:49
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/16/24 11:00

Client Sample ID: HEN_08&D

Date Collected: 04/16/24 10:10

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			765119	BDE	EET CHI	04/26/24 08:48 - 04/26/24 14:48 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	765664	SJ	EET CHI	04/30/24 12:38
Total Recoverable	Prep	3005A			764893	BDE	EET CHI	04/25/24 09:20 - 04/25/24 15:20 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 16:13
Total/NA	Prep	7470A			765382	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 09:14
Total/NA	Analysis	300.0		10	766360	NMB	EET CHI	05/06/24 18:07
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 17:40
Total/NA	Analysis	SM 2540C		1	763630	CLB	EET CHI	04/18/24 03:39
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 13:54
Total/NA	Analysis	Field Sampling		1	765661	DN	EET CHI	04/16/24 10:10

Eurofins Chicago

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-4
HEN_845_802-805
SDG: HEN_845_802-805

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

Client Sample ID: HEN_FB

Date Collected: 04/16/24 14:30

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.7			765119	BDE	EET CHI	04/26/24 08:48 - 04/26/24 14:48 ¹
Total Recoverable	Analysis	200.7 Rev 4.4		1	765585	SJ	EET CHI	04/29/24 17:55
Total Recoverable	Prep	3005A			764894	BDE	EET CHI	04/25/24 09:23 - 04/25/24 15:23 ¹
Total Recoverable	Analysis	6020B		1	765372	RN	EET CHI	04/26/24 14:23
Total Recoverable	Prep	3005A			764894	BDE	EET CHI	04/25/24 09:23 - 04/25/24 15:23 ¹
Total Recoverable	Analysis	6020B		1	765568	RN	EET CHI	04/29/24 13:09
Total/NA	Prep	7470A			765389	MJG	EET CHI	04/29/24 10:55 - 04/29/24 12:55 ¹
Total/NA	Analysis	7470A		1	765626	MJG	EET CHI	04/30/24 07:21
Total/NA	Analysis	300.0		1	766585	NMB	EET CHI	05/06/24 21:23
Total/NA	Analysis	SM 2320B		1	765622	SO	EET CHI	04/29/24 18:57
Total/NA	Analysis	SM 2540C		1	763874	CLB	EET CHI	04/18/24 23:03
Total/NA	Analysis	SM 4500 F C		1	766368	SO	EET CHI	05/03/24 14:03

Client Sample ID: HEN_YSG_ILRIVER

Date Collected: 04/15/24 11:45

Date Received: 04/30/24 11:09

Lab Sample ID: 500-249028-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Field Sampling		1	765820	DN	EET CHI	04/15/24 11:45

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

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 2, 2024
Job ID: 590-249028-4
HENNEPIN, 802-805
Hennepin 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	IL00035	05-31-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7	Water	Lithium
Field Sampling		Water	Depth to Water (ft from MP)
Field Sampling		Water	Field pH
Field Sampling		Water	Field Temperature
Field Sampling		Water	Oxidation Reduction Potential
Field Sampling		Water	Oxygen, Dissolved
Field Sampling		Water	Specific Conductance
Field Sampling		Water	Turbidity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

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500 249028 COC

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL DL DL WPE WP AR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		HEN-257-802	HEN-257-803	HEN-257-804	HEN-811-801	HEN-845-802-805	HEN-845-803	HEN-845-804	HEN-WPCP-EAST	HEN-WPCP-WEST	HEN_RAD_000			HEN_000
1	HEN_02		WT G	↓	4/15/24	1555	15								X				X		A			SHORT HOLD-NO2						
2	HEN_03R		WT G	↓	4/15/24	1615	15								X				X		B			SHORT HOLD-NO2						
3	HEN_03R_FD		WT G	↓	4/15/24	1432	11								X				X		B			SHORT HOLD-NO2						
4	HEN_05IR		WT G	↓	4/15/24	1515	11														E			SHORT HOLD-NO2						
5	HEN_05&DR		WT G	↓	4/15/24	1815	13								X				X		F			SHORT HOLD-NO2						
6	HEN_07		WT G	↓	4/15/24	1725	13								X				X		G			SHORT HOLD-NO2						
7	HEN_08		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
8	HEN_08&D		WT G	↓	4/15/24	1344	15								X				X		B			SHORT HOLD-NO2						
9	HEN_10		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
10	HEN_12		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
11	HEN_13		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
12	HEN_16		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
13	HEN_18 FD		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
14	HEN_17		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
15	HEN_18#S		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
16	HEN_18&D		WT G	↓	4/15/24	1440	15								X				X		B			SHORT HOLD-NO2						
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																
HEN-24Q2 Rev 0		ABCX-BZ		4/11/24		0930																								

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER Allison Beckwith					
SIGNATURE of SAMPLER [Signature] DATE Signed (MM/DD/YY) 4/11/24 0930					

Ben Bledsoe	4/16/24	0930	EETA	5.2 → 4.8
Ben Bledsoe	4/16/24	1125	EETA	5.0 → 4.6
Shirley Scott	4/16/24	1125	EETA	4.6 → 4.2
				5.8 → 5.2
				6.0 → 5.6

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Page 2 of 3

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER <i>Alison Belvert</i>					
SIGNATURE OF SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY) <i>4/11/24</i>				

Pleam Island 4/16/24 0930 EETA
 Orem Beach 4/16/24 1125 EETA
 Shi Loch 4/16/24 1125 ~~EETA~~

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Page 3 of 3

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>Allen Byron Buckner</i>					
SIGNATURE OF SAMPLER <i>Buckner</i>	DATE Signed (MM/DD/YY) <i>4/11/12 190930</i>				

Worm Bleph	4/16/24	0930	EETA
Worm Bleph	4/16/24	1125	EETA
Thin Scott	4/16/24	1125	EETA

CHAIN-OF-CUSTODY / Analytical Request Document

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024

500-249028
HEN-845-802-805

Section A Required Client Information.

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

Section B Required Project Information

Report To: **Brian Voelker**
Copy To: **Jason Stuckey Jason Stuckey@visiracorp.com
Sam Davies samantha.davies@visiracorp.com**
Purchase Order No.
Project Name:
Project Number: **50023030**

Section C Invoice Information

Attention: **Jason Stuckey**
Company Name: **Visira Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:



500-249028 COC

Page 1 of 2

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

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTEWATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISUE 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	Y/N	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
							DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	HEN-257-802	HEN-257-803						HEN-257-804	HEN-811-801	HEN-845-802-805	HEN-845-803	HEN-845-804	HEN-WPCP-EAST	HEN-WPCP-WEST	HEN_RAD_000	HEN_000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
13	SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE				WT G		4/10/24	1330	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

ADDITIONAL COMMENTS: **HEN-24Q2 Rev 0**
RELINQUISHED BY: **Beckley** AFFILIATION: DATE: **4/10/24** TIME: **1630**
ACCEPTED BY: AFFILIATION: DATE: TIME: SAMPLE CONDITIONS:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER

SIGNATURE of SAMPLER: **Beckley**

DATE Signed (MM/DD/YY)

4/10/24

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

5.6 → 5.2
3.7 → 3.3
4.4 → 4.0
5.2 → 4.8

Beckley
horne
same file
1630
4/10/24 1630

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Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Page <u>1</u> of <u>2</u> <u>AB</u>	
Company: Vistra Corp-Hennepin		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY	
Address: 13498 E. 800th St Hennepin, IL 61327		Copy To: Jason Stuckey Jason Stuckey@visitracorp.com Sam Davies samantha.davies@visitracorp.com		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name		Quote Reference:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 50023030		Project Manager:		Site Location	
				Profile #:		STATE IL	

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Allison Beckwith					
SIGNATURE OF SAMPLER: [Signature]	DATE Signed (MM/DD/YY) 4/11/24				

SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
AMPLER: Allison Beckwith					
AMPLER: Beckwith	DATE Signed (MM/DD/YY) 4/16/24				

Home Filtr 1430
 Save Filtr 1630

Mini Stock 4/16/24 1630

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-249028-4
SDG Number: HEN_845_802-805

Login Number: 249028

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8,4.6,4.2,5.4,5.6,5.2,3.3,4.0,4.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

Site: Hennepin		Client: Vista									
Project Number:		Task #:									
Field Personnel: A. Beckel / L. Flawitz		Start Date: 4/11/2024									
Finish Date: 4/16/24		Time: 1250									
WELL INFORMATION		EVENT TYPE									
Well ID: HEN-02		Well Development									
Casing ID: inches		Well Volume Approach Sampling									
		Low-Flow / Low Stress Sampling Other (Specify): Low Flow									
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C) 3%	pH (su) +/-0.1	SEC or Cond. (us/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
1250	42.42				13.0	7.00	1546	1.53	2.38	108.4	4404
1300	42.43				13.1	7.02	1583	0.107	0.95	164.5	"
1305	42.42				13.1	7.02	1592	0.55	0.93	161.7	"
1310	42.42				13.1	7.02	1596	0.50	0.93	159.8	"
1315	42.43				13.0	7.02	1595	0.51	0.92	159.0	"
NOTES (continued)											
Bladder Pump / Clear / No Color / No odor											
ABBREVIATIONS											
Cond. - Actual Conductivity FT BTDC - Feet Below Top of Casing na - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											

Low-Flow Sampling Form

Page

Sampled @ 1320

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)

Low-Flow Sampling Form

□ □

□ □

Sampled @ 1432

PROJECT INFORMATION

05/10/24

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)

□ □ □ □

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Vstra
Project Number: Task #: Start Date: 4/10/2024 Time: 1030

Field Personnel: A. Beckett / L. Filewicz Finish Date: 4/16/24 Time: 1100

WELL INFORMATION

Well ID: 800
Casing ID: inches

Well Development
Well Volume Approach Sampling

EVENT TYPE

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

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Time (Military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C) 3%	pH (SU) +/-0.1	SEC or Cond. (us/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mv) 10%	Visual Clarity
Pre	1030		51.25		14.40	6.81	2044	7.39	2.25	177.9	
	1040				14.10	6.76	1926	3.69	0.95	174.0	
	1045				14.10	6.76	1894	2.37	0.50	169.9	
	1055				14.10	6.76	1881	2.35	0.54	166.9	
	1100	2 GA	15.21		14.10	6.76	1879	2.30	0.55	166.9	
NOTES (continued)											
Bladder Pump / Clear / No Color / No odor											
ABBREVIATIONS											
Cond. - Actual Conductivity FT BTDC - Feet Below Top of Casing m - ORP - Oxidation-Reduction Potential SEC - Specific Electrical Conductance SU - Standard Units											

Low-Flow Sampling Form

Page



m-20

28-29-30

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin

Project Number:

Task #:

Client: Vista
Start Date: 4/11/2024

Time: 00935

Field Personnel: A. Beckett / L. Filewicz

Finish Date: 7/1/01

Time: 1030

WELL INFORMATION

Well ID: ~~7EN~~-088D
Casing ID:

Well Development
Well Volume Approach Sampling

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

WATER QUALITY INDICATOR PARAMETERS (continued)

[illegible]

17 bottles

11

☐ ☐

Low-Flow Sampling Form

Page

Sampled @ 1010

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

Site: Hennepin		Client: Vistra		Start Date: 4/16/2024		Time: 1235		Finish Date: 4/16/24		Time: 1305	
Project Number:		Task #:		Field Personnel: A. Beckert / L. Flawicz		WELL INFORMATION		EVENING TYPE			
Well ID: 1P		Casing ID:		Inches		Well Development		Well Volume Approach Sampling		Low-Flow / Low Stress Sampling Other	
WATER QUALITY INDICATOR PARAMETERS (continued)											
Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C) 3%	pH (su) +/-0.1	SEC or Cond. (us/cm) 3%	Dissolved Oxygen (mg/L) 10%	Turbidity (NTU) 10%	ORP (mV) 10%	Visual Clarity
	1235		48.23		12.2	7.41	973	7.70	1.60	145.8	
	1245				18.5	7.22	965	4.25	2.02	144.8	
	1250				18.5	7.24	954	3.59	2.10	140.8	
	1300				18.5	7.24	951	3.55	1.34	136.9	
	1305	2.64	48.25								
NOTES (continued)											
ABBREVIATIONS											
Cond - Actual Conductivity FT BTOC - Feet Below Top of Casing na - Conductance SU - Standard Units ORP - Oxidation-Reduction Potential SEC - Specific Electrical											
Bladder Pump / Clear / No Color / No odor											

Low-Flow Sampling Form

Page

PROJECT INFORMATION

Project Number:	Task #:	Start Date:	Time:
		4-15-24	1745

Start Date: 4-15-24 Time: 1745

Finish Date: 4-15-24

Time:

EVENT TYPE

Well Development

Well Volume Approach Sampling

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

--

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

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)Page

u b o t h s

Sampled @ 1100
dupe sampled @ 1105

PROJECT INFORMATION

05/10/24

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)NOTES (continued)

ABBREVIATIONS

U bottles

Sampled @ 1150

PROJECT INFORMATION

05/10/24

PROJECT INFORMATION

Project Number:	Task #:	Start Date:	Time:
		4/15/24	1319

WELL INFORMATION

Transducer Serial #: _____

--	--

NOTES (continued)

Cont. - Actual Conductivity
FT BTCC - Feet Below Top of Casing m -
Conductance SU - Standard Units
ORP - Oxidation-Reduction Potential SEIC - Specific Electric

A lot of Air Bubbles from well into YSI.

WELL DEVELOPMENT AND GROUNDWATER SAMPLING FIELD FORM

PROJECT INFORMATION

Site: Hennepin Client: Visira Start Date: 4-25-24 Time: 1515
Project Number: Task #: Finish Date: 4/15/24 Time: 1555
Field Personnel: AB/LF

WELL INFORMATION

Well ID: 03R Well Development: Well Volume Approach Sampling

Transducer Serial #: Well Volume Approach Sampling

WATER QUALITY INDICATOR PARAMETERS (continued)

Sampling Stage	Time (military)	Volume Removed (gallons)	Depth to Water (feet)	Drawdown (feet)	Temp. (°C)	pH (su)	SEC or Cond. (µscm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)	Visual Clarity
Pre	1515		32.42		3%	+1	3%	10%	10%	+10	
	1520				18.1	7.24	1012	1.00	24.04	124.2	
	1525				17.7	7.20	1008	.50	13.8	118.4	
	1530				17.7	7.20	1009	.43	7.71	112.1	
	1535				17.9	7.20	1009	.40	5.02	105.5	
	1540				17.9	7.20	1009	.38	3.26	100.5	
	1545				18.0	7.20	1008	.37	3.44	96.1	
	1550				17.8	7.20	1009	.36	2.76	92.7	
	1555	3.56	32.50		17.9	7.20	1007	.36	2.68	89.7	
	1600										
	1605										

NOTES (continued)

ABBREVIATIONS

Cond. - Actual Conductivity
FT 1010C - Field Flow Top of Casing m.
ORP - Oxidation-Reduction Potential SEC - Specific Conductance

Dupe 03R 1615

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)

□ □ □ □

Stampbook G 1345

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)NOTES (continued)

ABBREVIATIONS

Cond. - Actual Conductivity	ORP - Oxidation-Reduction Potential SEC - Specific Electrical
FT BTOC - Feet Below Top of Casing m -	Conductance Su - Standard Units

Page

Sampled @ 1005

PROJECT INFORMATION

□ □ □ □

Sampled @ 1800

PROJECT INFORMATION

WATER QUALITY INDICATOR PARAMETERS (continued)NOTES (continued)

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

Page

Sampled @ 17/10

PROJECT INFORMATION

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PROJECT INFORMATION

□ □

□ □

Sampled @ 1235

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

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

Transducer data on SAR-4 form may be collected at anytime during the sampling event.

Plant: HEN
Event: HEN-24Q2 Rev 0

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	On-site Transducer Data					Comments	Initials
					Data Logger Serial No.	Does Data Logger Serial No. Match?	WL Reading on Transducer (ft)	Data down-loaded?	Batt (H/M/L)		
22D	HEN_22&D	4/15/24	0828	16.67	21564134	YES	449.11	Y	H	DTP: 53.69	AB
08	HEN_08	4/15/24	0925	51.12	21615138	YES	450.27	Y	H	DTP: 57.09	AB
07	HEN_07	4/15/24	1215	60.81	21615139	YES	451.4	Y	H	DTP: 72.22	AB
03R	HEN_03R	4/15/24	1055	32.35	21615140	YES	449.92	Y	H	DTP: 46.67	AB
54	HEN_54	4/15/24	1005	50.63	21615143	YES	449.83	Y	H	DTP: 48.45	AB
52	HEN_52	4/15/24	0900	51.32	21615145	YES	449.89	Y	H	DTP: 46.11	AB
18S	HEN_18#S	4/15/24	1050	37.85	21615482	YES	450.88	Y	H	DTP: 42.55	AB
32	HEN_32				21615487						
50	HEN_50	4/15/24	0820	15.37	21615489	YES	448.84	Y	H	DTP: 24.92	AB
46	HEN_46	4/15/24	0945	48.95	21615491	YES	449.46	Y	H	DTP: 55.05	AB
22	HEN_22	4/15/24	0825	15.84	21615497	YES	448.94	Y	H	DTP: 27.19	AB
17	HEN_17	4/15/24	0935	55.09	21615500	YES	452.27	Y	H	DTP: 61.79	AB
47	HEN_47	4/15/24	1000	53.22	21615505	YES	449.7	Y	H	DTP: 57.65	AB
34	HEN_34				21615509						
35	HEN_35	4/15/24	0800	5.84	21615510	YES	449.26	Y	H	DTP: 16.15	AB
13	HEN_13	4/15/24	1012	48.72	21615515	YES	449.35	Y	H	DTP: 41.90	AB
12	HEN_12	4/15/24	1015	48.75	21615520	YES	450.00	Y	H	DTP: 51.4	AB
16	HEN_16	4/15/24	0930	51.76	21615534	YES	449.81	Y	H	DTP: 60.88	AB
27	HEN_27				21615576						
08D	HEN_08&D	4/15/24	0910	51.58	21615598	YES	449.88	Y	H	DTP: 84.09	AB
23	HEN_23	4/15/24	0835	14.43	21615600	YES	449.24	Y	H	DTP: 35.37	AB
51	HEN_51	4/15/24	0840	15.90	21615608	YES	449.21	Y	H	DTP: 58.33	AB
18D	HEN_18&D	4/15/24	1052	38.02	21615609	YES	449.37	Y	H	DTP: 72.12	AB
55	HEN_55	4/15/24	1010	49.47	21615612	YES	449.50	Y	H	DTP: 92.45	AB
21R	HEN_21R	4/15/24	0845	3.31	21615613	YES	449.09	Y	H	DTP: 45.32	AB
49	HEN_49	4/15/24	0832	19.15	21629307	YES	449.28	Y	H	DTP: 38.62	AB
XSG01	HEN_XSG01	4/15/24	0955	10.42	21768087	YES	483.46	Y	H		AB
SG02	HEN_YSG_ILRIVER	4/15/24	1145	19.85	21768088	YES	13.16	Y	H		AB

U: 12/19/23 JRK

ANALYTICAL REPORT

PREPARED FOR

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

Generated 05/20/24 14:46:20

JOB DESCRIPTION

HEN-24Q2
HEN_000_RAD

JOB NUMBER

500-249028-2

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
05/20/24 14:46:20

Authorized for release by
Dirk Nelson, Project Management Assistant II
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(708)534-5200

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Case Narrative

Client: Vistra Energy Corp
Project: HEN-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2

Job ID: 500-249028-2

Eurofins Chicago

Job Narrative 500-249028-2

Receipt

The samples were received on 04/16/24 11:25. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 3.3° C, 4.0° C, 4.2° C, 4.6° C, 4.8° C, 4.8° C, 5.2° C, 5.4° C and 5.6° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed for sample: HEN_02 (500-249028-13) COC received with sampling time of 1330. Field Data form stated sampling time was 1320. Per field sampler, correct sampling time is 1320.

RAD

Method PrecSep_0: Samples are in batch 657670

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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

Client Sample ID: HEN_03R	Lab Sample ID: 500-249028-1
☐ No Detections.	
Client Sample ID: HEN_03R_FD	Lab Sample ID: 500-249028-2
☐ No Detections.	
Client Sample ID: HEN_12	Lab Sample ID: 500-249028-5
☐ No Detections.	
Client Sample ID: HEN_13	Lab Sample ID: 500-249028-6
☐ No Detections.	
Client Sample ID: HEN_18#S	Lab Sample ID: 500-249028-7
☐ No Detections.	
Client Sample ID: HEN_18&D	Lab Sample ID: 500-249028-8
☐ No Detections.	
Client Sample ID: HEN_45#S	Lab Sample ID: 500-249028-10
☐ No Detections.	
Client Sample ID: HEN_46	Lab Sample ID: 500-249028-11
☐ No Detections.	
Client Sample ID: HEN_47	Lab Sample ID: 500-249028-12
☐ No Detections.	
Client Sample ID: HEN_07	Lab Sample ID: 500-249028-14
☐ No Detections.	
Client Sample ID: HEN_08	Lab Sample ID: 500-249028-15
☐ No Detections.	
Client Sample ID: HEN_08&D	Lab Sample ID: 500-249028-16
☐ No Detections.	
Client Sample ID: HEN_16	Lab Sample ID: 500-249028-18
☐ No Detections.	
Client Sample ID: HEN_16_FD	Lab Sample ID: 500-249028-19
☐ No Detections.	
Client Sample ID: HEN_17	Lab Sample ID: 500-249028-20
☐ No Detections.	
Client Sample ID: HEN_52	Lab Sample ID: 500-249028-21
☐ No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-2024
SDG: HEN_000_RAD

Client Sample ID: HEN_54	Lab Sample ID: 500-249028-22
No Detections.	
Client Sample ID: HEN_54_FD	Lab Sample ID: 500-249028-23
No Detections.	
Client Sample ID: HEN_FB	Lab Sample ID: 500-249028-24
No Detections.	

This Detection Summary does not include radiochemical test results.

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

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-24Q2

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
SDG: HEN_000_RAD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-249028-1	HEN_03R	Water	04/15/24 15:55	04/16/24 11:25
500-249028-2	HEN_03R_FD	Water	04/15/24 16:15	04/16/24 11:25
500-249028-5	HEN_12	Water	04/15/24 18:15	04/16/24 11:25
500-249028-6	HEN_13	Water	04/15/24 17:25	04/16/24 11:25
500-249028-7	HEN_18#S	Water	04/15/24 14:48	04/16/24 11:25
500-249028-8	HEN_18&D	Water	04/15/24 13:44	04/16/24 11:25
500-249028-10	HEN_45#S	Water	04/15/24 16:05	04/16/24 11:25
500-249028-11	HEN_46	Water	04/15/24 18:00	04/16/24 11:25
500-249028-12	HEN_47	Water	04/15/24 17:10	04/16/24 11:25
500-249028-14	HEN_07	Water	04/16/24 10:05	04/16/24 16:30
500-249028-15	HEN_08	Water	04/16/24 11:00	04/16/24 16:30
500-249028-16	HEN_08&D	Water	04/16/24 10:10	04/16/24 16:30
500-249028-18	HEN_16	Water	04/16/24 11:00	04/16/24 16:30
500-249028-19	HEN_16_FD	Water	04/16/24 11:05	04/16/24 16:30
500-249028-20	HEN_17	Water	04/16/24 11:50	04/16/24 16:30
500-249028-21	HEN_52	Water	04/16/24 12:20	04/16/24 16:30
500-249028-22	HEN_54	Water	04/16/24 12:35	04/16/24 16:30
500-249028-23	HEN_54_FD	Water	04/16/24 12:35	04/16/24 16:30
500-249028-24	HEN_FB	Water	04/16/24 14:30	04/16/24 16:30

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R

Lab Sample ID: 500-249028-1

Date Collected: 04/15/24 15:55

Matrix: Water

Date Received: 04/16/24 11:25

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	0.217		0.0999	0.102	1.00	0.115	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					04/18/24 08:50	05/17/24 17:34	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	0.818		0.416	0.423	1.00	0.568	pCi/L	04/18/24 08:56	05/10/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					04/18/24 08:56	05/10/24 12:16	1
Y Carrier	82.2		30 - 110					04/18/24 08:56	05/10/24 12:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.04		0.428	0.435	5.00	0.568	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-245-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_03R_FD

Lab Sample ID: 500-249028-2

Date Collected: 04/15/24 16:15

Matrix: Water

Date Received: 04/16/24 11:25

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	0.131		0.0877	0.0885	1.00	0.120	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					04/18/24 08:50	05/17/24 17:34	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	0.848		0.433	0.440	1.00	0.594	pCi/L	04/18/24 08:56	05/10/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					04/18/24 08:56	05/10/24 12:16	1
Y Carrier	84.1		30 - 110					04/18/24 08:56	05/10/24 12:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.979		0.442	0.449	5.00	0.594	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_12

Date Collected: 04/15/24 18:15

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-5

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	0.0772	U	0.0698	0.0701	1.00	0.106	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					04/18/24 08:50	05/17/24 17:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.512	U	0.346	0.350	1.00	0.515	pCi/L	04/18/24 08:56	05/10/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					04/18/24 08:56	05/10/24 12:16	1
Y Carrier	83.0		30 - 110					04/18/24 08:56	05/10/24 12:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.590		0.353	0.357	5.00	0.515	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_13

Lab Sample ID: 500-249028-6

Date Collected: 04/15/24 17:25

Matrix: Water

Date Received: 04/16/24 11:25

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	0.0634	U	0.0665	0.0668	1.00	0.105	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					04/18/24 08:50	05/17/24 17:34	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	-0.563	U	0.181	0.188	1.00	0.554	pCi/L	04/18/24 08:56	05/10/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					04/18/24 08:56	05/10/24 12:16	1
Y Carrier	81.9		30 - 110					04/18/24 08:56	05/10/24 12:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0634	U	0.193	0.200	5.00	0.554	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_18#S

Lab Sample ID: 500-249028-7

Date Collected: 04/15/24 14:48

Matrix: Water

Date Received: 04/16/24 11:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153		0.0917	0.0927	1.00	0.123	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					04/18/24 08:50	05/17/24 17:34	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	0.541	U	0.442	0.444	1.00	0.696	pCi/L	04/18/24 08:56	05/10/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					04/18/24 08:56	05/10/24 12:17	1
Y Carrier	82.6		30 - 110					04/18/24 08:56	05/10/24 12:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.693	U	0.451	0.454	5.00	0.696	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_18&D

Lab Sample ID: 500-249028-8

Date Collected: 04/15/24 13:44

Matrix: Water

Date Received: 04/16/24 11:25

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	0.170		0.0945	0.0958	1.00	0.121	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					04/18/24 08:50	05/17/24 17:34	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	0.664		0.410	0.414	1.00	0.604	pCi/L	04/18/24 08:56	05/10/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					04/18/24 08:56	05/10/24 12:08	1
Y Carrier	80.7		30 - 110					04/18/24 08:56	05/10/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.834		0.421	0.425	5.00	0.604	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_45#S

Lab Sample ID: 500-249028-10

Date Collected: 04/15/24 16:05

Matrix: Water

Date Received: 04/16/24 11:25

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	0.195		0.0948	0.0964	1.00	0.110	pCi/L	04/18/24 08:50	05/17/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					04/18/24 08:50	05/17/24 17:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.156	U	0.309	0.310	1.00	0.538	pCi/L	04/18/24 08:56	05/10/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					04/18/24 08:56	05/10/24 12:08	1
Y Carrier	84.9		30 - 110					04/18/24 08:56	05/10/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.351	U	0.323	0.325	5.00	0.538	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_46

Lab Sample ID: 500-249028-11

Date Collected: 04/15/24 18:00

Matrix: Water

Date Received: 04/16/24 11:25

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		0.0946	0.0960	1.00	0.115	pCi/L	04/18/24 08:50	05/17/24 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					04/18/24 08:50	05/17/24 17:33	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	0.252	U	0.360	0.361	1.00	0.606	pCi/L	04/18/24 08:56	05/10/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					04/18/24 08:56	05/10/24 12:08	1
Y Carrier	83.4		30 - 110					04/18/24 08:56	05/10/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.436	U	0.372	0.374	5.00	0.606	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

Client Sample ID: HEN_47

Lab Sample ID: 500-249028-12

Date Collected: 04/15/24 17:10

Matrix: Water

Date Received: 04/16/24 11:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.104	U	0.0751	0.0757	1.00	0.105	pCi/L	04/18/24 08:50	05/17/24 17:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					04/18/24 08:50	05/17/24 17:56	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.298	U	0.313	0.315	1.00	0.508	pCi/L	04/18/24 08:56	05/10/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					04/18/24 08:56	05/10/24 12:08	1
Y Carrier	83.4		30 - 110					04/18/24 08:56	05/10/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.402	U	0.322	0.324	5.00	0.508	pCi/L		05/20/24 13:46	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24-000-005
SDG: HEN_000_RAD

Client Sample ID: HEN_07

Lab Sample ID: 500-249028-14

Date Collected: 04/16/24 10:05

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.278		0.120	0.122	1.00	0.142	pCi/L	04/19/24 08:06	05/15/24 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					04/19/24 08:06	05/15/24 07:46	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	1.03		0.398	0.409	1.00	0.484	pCi/L	04/19/24 08:10	05/06/24 12:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					04/19/24 08:10	05/06/24 12:54	1
Y Carrier	85.6		30 - 110					04/19/24 08:10	05/06/24 12:54	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.30		0.416	0.427	5.00	0.484	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

Client Sample ID: HEN_08

Lab Sample ID: 500-249028-15

Date Collected: 04/16/24 11:00

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.311		0.101	0.104	1.00	0.0891	pCi/L	04/19/24 08:06	05/15/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					04/19/24 08:06	05/15/24 07:45	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	1.04		0.394	0.405	1.00	0.494	pCi/L	04/19/24 08:10	05/06/24 12:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					04/19/24 08:10	05/06/24 12:51	1
Y Carrier	83.4		30 - 110					04/19/24 08:10	05/06/24 12:51	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	1.35		0.407	0.418	5.00	0.494	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

Client Sample ID: HEN_08&D

Lab Sample ID: 500-249028-16

Date Collected: 04/16/24 10:10

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0637	U	0.0771	0.0773	1.00	0.127	pCi/L	04/19/24 08:06	05/15/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					04/19/24 08:06	05/15/24 07:45	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	0.350	U	0.361	0.362	1.00	0.584	pCi/L	04/19/24 08:10	05/06/24 12:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					04/19/24 08:10	05/06/24 12:51	1
Y Carrier	87.1		30 - 110					04/19/24 08:10	05/06/24 12:51	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	0.413	U	0.369	0.370	5.00	0.584	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

Client Sample ID: HEN_16

Lab Sample ID: 500-249028-18

Date Collected: 04/16/24 11:00

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0436	U	0.0589	0.0591	1.00	0.0991	pCi/L	04/19/24 08:06	05/15/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/19/24 08:06	05/15/24 07:45	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	0.594		0.345	0.349	1.00	0.491	pCi/L	04/19/24 08:10	05/06/24 12:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/19/24 08:10	05/06/24 12:51	1
Y Carrier	86.4		30 - 110					04/19/24 08:10	05/06/24 12:51	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	0.637		0.350	0.354	5.00	0.491	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

Client Sample ID: HEN_16_FD

Lab Sample ID: 500-249028-19

Date Collected: 04/16/24 11:05

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.210		0.0941	0.0960	1.00	0.108	pCi/L	04/19/24 08:06	05/15/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					04/19/24 08:06	05/15/24 07:45	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	0.766		0.380	0.387	1.00	0.515	pCi/L	04/19/24 08:10	05/06/24 12:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					04/19/24 08:10	05/06/24 12:51	1
Y Carrier	82.2		30 - 110					04/19/24 08:10	05/06/24 12:51	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	0.976		0.391	0.399	5.00	0.515	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_17

Lab Sample ID: 500-249028-20

Date Collected: 04/16/24 11:50

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0181	U	0.0805	0.0805	1.00	0.149	pCi/L	04/19/24 08:06	05/15/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		30 - 110					04/19/24 08:06	05/15/24 07:45	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	1.08		0.421	0.432	1.00	0.525	pCi/L	04/19/24 08:10	05/06/24 12:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		30 - 110					04/19/24 08:10	05/06/24 12:52	1
Y Carrier	85.6		30 - 110					04/19/24 08:10	05/06/24 12:52	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	1.09		0.429	0.439	5.00	0.525	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_52

Lab Sample ID: 500-249028-21

Date Collected: 04/16/24 12:20

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139		0.0939	0.0947	1.00	0.134	pCi/L	04/19/24 08:06	05/15/24 07:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					04/19/24 08:06	05/15/24 07:46	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	1.19		0.463	0.476	1.00	0.605	pCi/L	04/19/24 08:10	05/06/24 12:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					04/19/24 08:10	05/06/24 12:52	1
Y Carrier	84.5		30 - 110					04/19/24 08:10	05/06/24 12:52	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	1.33		0.472	0.485	5.00	0.605	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_54

Lab Sample ID: 500-249028-22

Date Collected: 04/16/24 12:35

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.149		0.0845	0.0855	1.00	0.112	pCi/L	04/19/24 08:06	05/15/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					04/19/24 08:06	05/15/24 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.402	U	0.318	0.320	1.00	0.489	pCi/L	04/19/24 08:10	05/06/24 12:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					04/19/24 08:10	05/06/24 12:52	1
Y Carrier	87.5		30 - 110					04/19/24 08:10	05/06/24 12:52	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	0.551		0.329	0.331	5.00	0.489	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-245-802-805
SDG: HEN_000_RAD

Client Sample ID: HEN_54_FD

Lab Sample ID: 500-249028-23

Date Collected: 04/16/24 12:35

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.137		0.0848	0.0857	1.00	0.117	pCi/L	04/19/24 08:06	05/15/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					04/19/24 08:06	05/15/24 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.841		0.444	0.451	1.00	0.648	pCi/L	04/19/24 08:10	05/06/24 12:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					04/19/24 08:10	05/06/24 12:52	1
Y Carrier	86.0		30 - 110					04/19/24 08:10	05/06/24 12:52	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	0.978		0.452	0.459	5.00	0.648	pCi/L		05/15/24 07:31	1

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-249028-2
SDG: HEN_000_RAD

Client Sample ID: HEN_FB

Lab Sample ID: 500-249028-24

Date Collected: 04/16/24 14:30

Matrix: Water

Date Received: 04/16/24 16:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0408	U	0.0652	0.0653	1.00	0.113	pCi/L	04/19/24 08:06	05/15/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					04/19/24 08:06	05/15/24 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.243	U	0.326	0.327	1.00	0.546	pCi/L	04/19/24 08:10	05/06/24 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					04/19/24 08:10	05/06/24 12:32	1
Y Carrier	86.0		30 - 110					04/19/24 08:10	05/06/24 12:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.283	U	0.332	0.333	5.00	0.546	pCi/L		05/15/24 07:31	1

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
SDG: HEN_000_RAD

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
SDG: HEN_000_RAD

Rad

Prep Batch: 657596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	PrecSep-21	
500-249028-2	HEN_03R_FD	Total/NA	Water	PrecSep-21	
500-249028-5	HEN_12	Total/NA	Water	PrecSep-21	
500-249028-6	HEN_13	Total/NA	Water	PrecSep-21	
500-249028-7	HEN_18#S	Total/NA	Water	PrecSep-21	
500-249028-8	HEN_18&D	Total/NA	Water	PrecSep-21	
500-249028-10	HEN_45#S	Total/NA	Water	PrecSep-21	
500-249028-11	HEN_46	Total/NA	Water	PrecSep-21	
500-249028-12	HEN_47	Total/NA	Water	PrecSep-21	
MB 160-657596/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-657596/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-249028-2 DU	HEN_03R_FD	Total/NA	Water	PrecSep-21	

Prep Batch: 657597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-1	HEN_03R	Total/NA	Water	PrecSep_0	
500-249028-2	HEN_03R_FD	Total/NA	Water	PrecSep_0	
500-249028-5	HEN_12	Total/NA	Water	PrecSep_0	
500-249028-6	HEN_13	Total/NA	Water	PrecSep_0	
500-249028-7	HEN_18#S	Total/NA	Water	PrecSep_0	
500-249028-8	HEN_18&D	Total/NA	Water	PrecSep_0	
500-249028-10	HEN_45#S	Total/NA	Water	PrecSep_0	
500-249028-11	HEN_46	Total/NA	Water	PrecSep_0	
500-249028-12	HEN_47	Total/NA	Water	PrecSep_0	
MB 160-657597/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-657597/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-249028-2 DU	HEN_03R_FD	Total/NA	Water	PrecSep_0	

Prep Batch: 657669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-14	HEN_07	Total/NA	Water	PrecSep-21	
500-249028-15	HEN_08	Total/NA	Water	PrecSep-21	
500-249028-16	HEN_08&D	Total/NA	Water	PrecSep-21	
500-249028-18	HEN_16	Total/NA	Water	PrecSep-21	
500-249028-19	HEN_16_FD	Total/NA	Water	PrecSep-21	
500-249028-20	HEN_17	Total/NA	Water	PrecSep-21	
500-249028-21	HEN_52	Total/NA	Water	PrecSep-21	
500-249028-22	HEN_54	Total/NA	Water	PrecSep-21	
500-249028-23	HEN_54_FD	Total/NA	Water	PrecSep-21	
500-249028-24	HEN_FB	Total/NA	Water	PrecSep-21	
MB 160-657669/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-657669/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 657670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-14	HEN_07	Total/NA	Water	PrecSep_0	
500-249028-15	HEN_08	Total/NA	Water	PrecSep_0	
500-249028-16	HEN_08&D	Total/NA	Water	PrecSep_0	
500-249028-18	HEN_16	Total/NA	Water	PrecSep_0	
500-249028-19	HEN_16_FD	Total/NA	Water	PrecSep_0	
500-249028-20	HEN_17	Total/NA	Water	PrecSep_0	

Eurofins Chicago

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
SDG: HEN_000_RAD

Rad (Continued)

Prep Batch: 657670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249028-21	HEN_52	Total/NA	Water	PrecSep_0	
500-249028-22	HEN_54	Total/NA	Water	PrecSep_0	
500-249028-23	HEN_54_FD	Total/NA	Water	PrecSep_0	
500-249028-24	HEN_FB	Total/NA	Water	PrecSep_0	
MB 160-657670/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-657670/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 590-249028-2
SDG: HEN_000_RAD

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-657596/1-A
Matrix: Water
Analysis Batch: 662207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657596

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0007863	U	0.0639	0.0639	1.00	0.129	pCi/L	04/18/24 08:50	05/17/24 17:33	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					04/18/24 08:50	05/17/24 17:33	1

Lab Sample ID: LCS 160-657596/2-A
Matrix: Water
Analysis Batch: 662207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657596

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	11.26		1.17	1.00	0.127	pCi/L	99	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	95.4		30 - 110							

Lab Sample ID: 500-249028-2 DU
Matrix: Water
Analysis Batch: 662207

Client Sample ID: HEN_03R_FD
Prep Type: Total/NA
Prep Batch: 657596

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.131		0.1381		0.0871	1.00	0.118	pCi/L	0.04	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	98.0		30 - 110							

Lab Sample ID: MB 160-657669/1-A
Matrix: Water
Analysis Batch: 661646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657669

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04735	U	0.0534	0.0536	1.00	0.0854	pCi/L	04/19/24 08:06	05/15/24 07:30	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					04/19/24 08:06	05/15/24 07:30	1

Lab Sample ID: LCS 160-657669/2-A
Matrix: Water
Analysis Batch: 661646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657669

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	11.10		1.15	1.00	0.0918	pCi/L	98	75 - 125

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

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

Lab Sample ID: LCS 160-657669/2-A
Matrix: Water
Analysis Batch: 661646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657669

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.4		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-657597/1-A
Matrix: Water
Analysis Batch: 661118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657597

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3827	U	0.395	0.396	1.00	0.639	pCi/L	04/18/24 08:56	05/10/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					04/18/24 08:56	05/10/24 12:16	1
Y Carrier	82.6		30 - 110					04/18/24 08:56	05/10/24 12:16	1

Lab Sample ID: LCS 160-657597/2-A
Matrix: Water
Analysis Batch: 661118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657597

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.95	9.256		1.27	1.00	0.487	pCi/L	103	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	95.4		30 - 110						
Y Carrier	84.9		30 - 110						

Lab Sample ID: 500-249028-2 DU
Matrix: Water
Analysis Batch: 661118

Client Sample ID: HEN_03R_FD
Prep Type: Total/NA
Prep Batch: 657597

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.848		1.010		0.454	1.00	0.604	pCi/L	0.18	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	98.0		30 - 110							
Y Carrier	81.9		30 - 110							

Lab Sample ID: MB 160-657670/1-A
Matrix: Water
Analysis Batch: 660062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657670

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5136		0.330	0.333	1.00	0.485	pCi/L	04/19/24 08:10	05/06/24 12:34	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 590-249028-2
HEN-24Q2-905
SDG: HEN_000_RAD

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

Lab Sample ID: MB 160-657670/1-A
Matrix: Water
Analysis Batch: 660062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 657670

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.7		30 - 110
Y Carrier	83.4		30 - 110

Prepared	Analyzed	Dil Fac
04/19/24 08:10	05/06/24 12:34	1
04/19/24 08:10	05/06/24 12:34	1

Lab Sample ID: LCS 160-657670/2-A
Matrix: Water
Analysis Batch: 660062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 657670

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.97	9.488		1.28	1.00	0.472	pCi/L	106	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.4		30 - 110
Y Carrier	86.0		30 - 110

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-000_RAD
SDG: HEN_000_RAD

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

Client Sample ID: HEN_03R

Date Collected: 04/15/24 15:55

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661118	SCB	EET SL	05/10/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_03R_FD

Date Collected: 04/15/24 16:15

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661118	SCB	EET SL	05/10/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_12

Date Collected: 04/15/24 18:15

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661118	SCB	EET SL	05/10/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_13

Date Collected: 04/15/24 17:25

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661118	SCB	EET SL	05/10/24 12:16
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-2402905
SDG: HEN_000_RAD

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

Client Sample ID: HEN_18#S

Date Collected: 04/15/24 14:48

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661118	SCB	EET SL	05/10/24 12:17
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_18&D

Date Collected: 04/15/24 13:44

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661128	FLC	EET SL	05/10/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_45#S

Date Collected: 04/15/24 16:05

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662207	SWS	EET SL	05/17/24 17:34
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661128	FLC	EET SL	05/10/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_46

Date Collected: 04/15/24 18:00

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662204	SWS	EET SL	05/17/24 17:33
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661128	FLC	EET SL	05/10/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-24Q2-005
SDG: HEN_000_RAD

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

Client Sample ID: HEN_47

Date Collected: 04/15/24 17:10

Date Received: 04/16/24 11:25

Lab Sample ID: 500-249028-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657596	MLT	EET SL	04/18/24 08:50
Total/NA	Analysis	903.0		1	662208	SWS	EET SL	05/17/24 17:56
Total/NA	Prep	PrecSep_0			657597	MLT	EET SL	04/18/24 08:56
Total/NA	Analysis	904.0		1	661128	FLC	EET SL	05/10/24 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	662563	EMH	EET SL	05/20/24 13:46

Client Sample ID: HEN_07

Date Collected: 04/16/24 10:05

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:46
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:54
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_08

Date Collected: 04/16/24 11:00

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:45
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_08&D

Date Collected: 04/16/24 10:10

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:45
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-2402905
SDG: HEN_000_RAD

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

Client Sample ID: HEN_16

Date Collected: 04/16/24 11:00

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:45
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_16_FD

Date Collected: 04/16/24 11:05

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:45
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_17

Date Collected: 04/16/24 11:50

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:45
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_52

Date Collected: 04/16/24 12:20

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661817	SWS	EET SL	05/15/24 07:46
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Lab Chronicle

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
HEN-000_005
SDG: HEN_000_RAD

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

Client Sample ID: HEN_54

Date Collected: 04/16/24 12:35

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661816	SWS	EET SL	05/15/24 07:38
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_54_FD

Date Collected: 04/16/24 12:35

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661816	SWS	EET SL	05/15/24 07:38
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660322	FLC	EET SL	05/06/24 12:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

Client Sample ID: HEN_FB

Date Collected: 04/16/24 14:30

Date Received: 04/16/24 16:30

Lab Sample ID: 500-249028-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			657669	MLT	EET SL	04/19/24 08:06
Total/NA	Analysis	903.0		1	661816	SWS	EET SL	05/15/24 07:38
Total/NA	Prep	PrecSep_0			657670	MLT	EET SL	04/19/24 08:10
Total/NA	Analysis	904.0		1	660062	FLC	EET SL	05/06/24 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	661775	FLC	EET SL	05/15/24 07:31

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-24Q2

ATTACHMENT B.
Q4-2023 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 590-249028-2
SDG: HEN_000_RAD

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
903.0	PrecSep-21	Water	Radium-226
904.0	PrecSep_0	Water	Radium-228
Ra226_Ra228 Pos		Water	Radium 226 and 228

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

Section C
Invoice Information.

Page 1 of 3



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

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER. Allison Beckwith					
SIGNATURE of SAMPLER	DATE Signed (MM/DD/YY) 4/16/24 @ 0930				

Page 40 of 55

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Page 2 of 3

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER <i>Alison Bellett</i>					
SIGNATURE OF SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY) <i>4/11/24</i>				

Ocean Bunch 4/16/24 0930 EETA
 Ocean Bunch 4/16/24 1125 EETA
 Phil Scott 4/16/24 1125 EETA

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

Page 3 of 3

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>John Buckner</i>					
SIGNATURE OF SAMPLER <i>[Signature]</i>	DATE Signed (MM/DD/YY) <i>4/11/12 100930</i>				

Worm Bleph	4/16/24	0930	EETA
Worm Bleph	4/16/24	1125	EETA
Shi Scott	4/16/24	1125	EETA

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Page 1 of 22



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

5.6 $\rightarrow$ 5.2
3.7 $\rightarrow$ 3.3
4.4 $\rightarrow$ 4.0
5.2 $\rightarrow$ 4.8

4/11/22

Samples
ntact (Y/N)

05/20/24

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

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Page <u>2</u> of <u>2</u> <u>AB</u>	
Company: Vistra Corp-Hennepin		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY	
Address: 13498 E. 800th St Hennepin, IL 61327		Copy To: Jason Stuckey Jason Stuckey@vistracorp.com Sam Davies samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.		Address: see Section A		NPDES: GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name		Quote Reference:		UST: RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 50023030		Project Manager:		Site Location	
				Profile #:		STATE: IL	

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Allison Beckwith					
SIGNATURE OF SAMPLER: [Signature]	DATE Signed (MM/DD/YY) 4/11/24				

SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
AMPLER: Allison Beckwith					
AMPLER: Beckwith	DATE Signed (MM/DD/YY) 4/16/24				

Home Filtration 1430
 Save Filtration 1630

Mini Stock 4/16/24 1630

Chain of Custody Record



Environment Testing

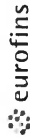


Client Information (Sub Contract Lab)		Sampler: Nelson, Dirk		Lab PM: Nelson, Dirk		Carrier Tracking No(s): 500-187037.1																			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Dirk.Nelson@et.eurofins.com		Page 1 of 1																			
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North, Earth City, MO, 63045		Accreditations Required (See note): NELAP - Illinois		Job #: 500-249028-2																			
Due Date Requested: 5/15/2024		TAT Requested (days):		Analysis Requested		Preservation Codes:																			
PO #		WO #		Perform MS/MSD (Yes or No)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:																			
Project # 50023030		SSOW#		Field Filtered Sample (Yes or No)		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)																			
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=water/soil, BT=Tissue, A=Air)		Preservation Code		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0/PreSep_21 BB		904.0/PreSep_0 BB		Ra226_228GFP_C_P/BB		Total Number of containers		Special Instructions/Note:	
HEN_03R (500-249028-1)		4/15/24		15:55		Central		Water				X		X		X		X		2					
HEN_03R_FD (500-249028-2)		4/15/24		16:15		Central		Water				X		X		X		X		2					
HEN_12 (500-249028-5)		4/15/24		18:15		Central		Water				X		X		X		X		2					
HEN_13 (500-249028-6)		4/15/24		17:25		Central		Water				X		X		X		X		2					
HEN_18#S (500-249028-7)		4/15/24		14:40		Central		Water				X		X		X		X		2					
HEN_18&D (500-249028-8)		4/15/24		13:44		Central		Water				X		X		X		X		2					
HEN_45#S (500-249028-10)		4/15/24		16:05		Central		Water				X		X		X		X		2					
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.																									
Possible Hazard Identification																									
Unconfirmed																									
Deliverable Requested: I, II, III, IV, Other (specify)																									
Primary Deliverable Rank: 2																									
Empty Kit Relinquished by:																									
Relinquished by: <i>Stephanie Hernandez</i>																									
Relinquished by: <i>Richard Thomley</i>																									
Relinquished by:																									
Custody Seals Intact: ☐ Yes ☐ No																									
Custody Seal No.:																									
Cooler Temperature(s) °C and Other Remarks:																									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																									
Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months																									
Special Instructions/QC Requirements:																									
Time: Date: Method of Shipment:																									
Received by: <i>Richard Thomley</i> Date/Time: <i>APR 17 2024 08:20</i> Company: <i>ETHA SL</i>																									
Received by: Date/Time: Company:																									
Received by: Date/Time: Company:																									
Cooler Temperature(s) °C and Other Remarks:																									

[illegible]

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler		Lab PM Nelson, Dirk		Carrier Tracking No(s)		COC No 500-187070.1	
Client Contact:		Phone		E-Mail		State of Origin		Page Page 1 of 2	
Shipping/Receiving				Dirk.Nelson@eurofins.com		Illinois		Job #	
Company:				Accreditations Required (See note)		NELAP - Illinois		500-249028-2	
Address:		13715 Rider Trail North,		Due Date Requested:		Analysis Requested		Preservation Codes:	
City:		Earth City		5/15/2024					
State, Zip:		MO, 63045		TAT Requested (days):					
Phone:		314-298-8566(Tel) 314-298-8757(Fax)		PO #					
Email:				WO #					
Project Name:		HEN-24Q2		Project #					
Site		SSOW#							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix (W=Water, S=solid, O=soil, B=biomaterial, BT=trace, AA=)	
HEN_07 (500-249028-14)		4/16/24		10:05 Central		Water		Preservation Code:	
HEN_08 (500-249028-15)		4/16/24		11:00 Central		Water		Field Filtered Sample (Yes or No)	
HEN_08&D (500-249028-16)		4/16/24		10:10 Central		Water		Perform MS/MSD (Yes or No)	
HEN_16 (500-249028-18)		4/16/24		11:00 Central		Water		903.0/PrecSep_21 BB	
HEN_16_FD (500-249028-19)		4/16/24		11:05 Central		Water		94.0/PrecSep_0 BB	
HEN_17 (500-249028-20)		4/16/24		11:50 Central		Water		R226_228GFC_P/BB	
HEN_52 (500-249028-21)		4/16/24		12:20 Central		Water			
HEN_54 (500-249028-22)		4/16/24		12:35 Central		Water			
HEN_54_FD (500-249028-23)		4/16/24		12:35 Central		Water			
								Total Number of containers	
								Other:	
								Special Instructions/Note:	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)									
Primary Deliverable Rank: 2									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months									
Special Instructions/QC Requirements:									
Empty Kit Relinquished by:									
Relinquished by: <i>Shirley</i> Date: <i>4/16/24</i> Time: <i>1240</i> Company: <i>AM. Pinette</i>									
Relinquished by: Date/Time: Company:									
Relinquished by: Date/Time: Company:									
Custody Seal No.: <i>APR 18 2024 2840</i>									
Custody Seals Intact: ☐ Yes ☐ No Cooler Temperature(s) °C and Other Remarks:									



Environment Testing

Phone: 708-534-5200 Fax: 708-534-5211

05/20/24

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-249028-2
SDG Number: HEN_000_RAD

Login Number: 249028

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8,4.6,4.2,5.4,5.6,5.2,3.3,4.0,4.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-249028-2
SDG Number: HEN_000_RAD

Login Number: 249028

List Number: 3

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 04/17/24 02:37 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	

Login Sample Receipt Checklist

Client: Vistra Energy Corp

Job Number: 500-249028-2
SDG Number: HEN_000_RAD

Login Number: 249028

List Number: 5

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 04/18/24 01:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
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)					
500-249028-1	HEN_03R	85.8					
500-249028-2	HEN_03R_FD	82.2					
500-249028-2 DU	HEN_03R_FD	98.0					
500-249028-5	HEN_12	96.7					
500-249028-6	HEN_13	90.9					
500-249028-7	HEN_18#S	93.9					
500-249028-8	HEN_18&D	88.6					
500-249028-10	HEN_45#S	88.6					
500-249028-11	HEN_46	88.1					
500-249028-12	HEN_47	98.5					
500-249028-14	HEN_07	89.1					
500-249028-15	HEN_08	101					
500-249028-16	HEN_08&D	90.6					
500-249028-18	HEN_16	92.6					
500-249028-19	HEN_16_FD	95.4					
500-249028-20	HEN_17	91.1					
500-249028-21	HEN_52	94.9					
500-249028-22	HEN_54	96.7					
500-249028-23	HEN_54_FD	97.7					
500-249028-24	HEN_FB	89.3					
LCS 160-657596/2-A	Lab Control Sample	95.4					
LCS 160-657669/2-A	Lab Control Sample	94.4					
MB 160-657596/1-A	Method Blank	87.6					
MB 160-657669/1-A	Method Blank	97.7					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
500-249028-1	HEN_03R	85.8	82.2				
500-249028-2	HEN_03R_FD	82.2	84.1				
500-249028-2 DU	HEN_03R_FD	98.0	81.9				
500-249028-5	HEN_12	96.7	83.0				
500-249028-6	HEN_13	90.9	81.9				
500-249028-7	HEN_18#S	93.9	82.6				
500-249028-8	HEN_18&D	88.6	80.7				
500-249028-10	HEN_45#S	88.6	84.9				
500-249028-11	HEN_46	88.1	83.4				
500-249028-12	HEN_47	98.5	83.4				
500-249028-14	HEN_07	89.1	85.6				
500-249028-15	HEN_08	101	83.4				
500-249028-16	HEN_08&D	90.6	87.1				
500-249028-18	HEN_16	92.6	86.4				
500-249028-19	HEN_16_FD	95.4	82.2				
500-249028-20	HEN_17	91.1	85.6				

Eurofins Chicago

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
HENNEPIN, 802-805
Job ID: 500-249028-2
SDG: HEN_000_RAD

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-249028-21	HEN_52	94.9	84.5
500-249028-22	HEN_54	96.7	87.5
500-249028-23	HEN_54_FD	97.7	86.0
500-249028-24	HEN_FB	89.3	86.0
LCS 160-657597/2-A	Lab Control Sample	95.4	84.9
LCS 160-657670/2-A	Lab Control Sample	94.4	86.0
MB 160-657597/1-A	Method Blank	87.6	82.6
MB 160-657670/1-A	Method Blank	97.7	83.4

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2, 2024

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
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	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.001
03R	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	100	All ND - Last	0.001	0.001
03R	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CI around geomean	0.0621	0.212
03R	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.001
03R	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	0.42	0.163
03R	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	93	CB around T-S line	0.000641	0.00230
03R	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	77.5	435
03R	UA	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	27	93	CB around T-S line	0.0015	0.00100
03R	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	28	96	CI around median	0.001	0.0380
03R	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CI around median	0.27	0.120
03R	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	100	All ND - Last	0.0005	0.00150
03R	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	32	0	CI around mean	0.0235	0.0190
03R	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.0002
03R	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	0.0778	0.00170
03R	UA	E005	pH (field)	SU	12/09/15 - 04/15/24	36	0	CI around median	7.2/7.3	6.6/7.5
03R	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around median	0.28	1.50
03R	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	29	7	CI around mean	0.00459	0.00140
03R	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	72.1	215
03R	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.001
03R	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	33	0	CI around mean	513	1,620
18S	UA	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.001
18S	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	97	CI around median	0.001	0.001
18S	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.051	0.212
18S	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.001
18S	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	0.75	0.163
18S	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	78	CB around T-S line	0.000583	0.00230
18S	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	33	0	CB around linear reg	68.9	435

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	28	59	CI around median	0.0015	0.00100
18S	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	28	84	CI around median	0.001	0.0380
18S	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CB around T-S line	0.163	0.120
18S	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	100	All ND - Last	0.0005	0.00150
18S	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	32	0	CB around T-S line	0.0326	0.0190
18S	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.0002
18S	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	0.0857	0.00170
18S	UA	E005	pH (field)	SU	12/09/15 - 04/15/24	36	0	CI around median	7.3/7.4	6.6/7.5
18S	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around mean	0.357	1.50
18S	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	29	3	CB around T-S line	0.00449	0.00140
18S	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	81.7	215
18S	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.001
18S	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	481	1,620
18D	UA	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.001
18D	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	97	CI around median	0.001	0.001
18D	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around T-S line	0.0625	0.212
18D	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.001
18D	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	33	0	CB around linear reg	1.16	0.163
18D	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	94	CB around T-S line	0.000836	0.00230
18D	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	33	0	CI around mean	75.8	435
18D	UA	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	27	94	CB around T-S line	0.0015	0.00100
18D	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	29	3	CB around linear reg	6.72e-06	0.0380
18D	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CI around median	0.15	0.120
18D	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	90	CI around median	0.001	0.00150
18D	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	32	0	CB around linear reg	0.0231	0.0190
18D	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.0002
18D	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	32	0	CI around median	0.0315	0.00170

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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	E005	pH (field)	SU	12/09/15 - 04/15/24	36	0	CI around median	7.2/7.2	6.6/7.5
18D	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around mean	0.555	1.50
18D	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	28	94	CB around T-S line	0.001	0.00140
18D	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	33	0	CB around linear reg	86.1	215
18D	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.001
18D	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	33	0	CB around T-S line	475	1,620
45S	UA	E005	Antimony, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.003	0.001
45S	UA	E005	Arsenic, total	mg/L	12/09/15 - 04/15/24	27	93	CI around median	0.001	0.001
45S	UA	E005	Barium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.0792	0.212
45S	UA	E005	Beryllium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.001	0.001
45S	UA	E005	Boron, total	mg/L	12/09/15 - 04/15/24	30	0	CB around linear reg	0.214	0.163
45S	UA	E005	Cadmium, total	mg/L	12/09/15 - 04/15/24	28	43	CB around linear reg	0.00057	0.00230
45S	UA	E005	Chloride, total	mg/L	12/09/15 - 04/15/24	30	0	CB around linear reg	86.1	435
45S	UA	E005	Chromium, total	mg/L	12/09/15 - 04/15/24	28	93	CB around T-S line	0.0015	0.00100
45S	UA	E005	Cobalt, total	mg/L	12/09/15 - 04/15/24	29	14	CI around geomean	0.0014	0.0380
45S	UA	E005	Fluoride, total	mg/L	12/09/15 - 04/15/24	30	3	CB around T-S line	0.244	0.120
45S	UA	E005	Lead, total	mg/L	12/09/15 - 04/15/24	27	78	CI around median	0.001	0.00150
45S	UA	E005	Lithium, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.011	0.0190
45S	UA	E005	Mercury, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.0002	0.0002
45S	UA	E005	Molybdenum, total	mg/L	12/09/15 - 04/15/24	29	0	CB around linear reg	0.0415	0.00170
45S	UA	E005	pH (field)	SU	12/09/15 - 04/15/24	30	0	CI around mean	7.1/7.2	6.6/7.5
45S	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/09/15 - 04/15/24	27	0	CI around geomean	0.516	1.50
45S	UA	E005	Selenium, total	mg/L	12/09/15 - 04/15/24	28	100	All ND - Last	0.0025	0.00140
45S	UA	E005	Sulfate, total	mg/L	12/09/15 - 04/15/24	30	0	CI around median	70	215
45S	UA	E005	Thallium, total	mg/L	12/09/15 - 04/15/24	26	100	All ND - Last	0.002	0.001
45S	UA	E005	Total Dissolved Solids	mg/L	12/09/15 - 04/15/24	30	0	CI around mean	526	1,620

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
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

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination