Illinois Power Resources Generating, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

November 23, 2025

Illinois Environmental Protection Agency
Bureau of Land – MC#33
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 West Iles Avenue
P.O. Box 19276
Springfield, IL 62794

Re: Duck Creek Power Plant Ash Pond No.1 and Ash Pond No.2; IEPA ID # W0578010001-01 and W0578010001-02

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Resources Generating, LLC (IPRG) is submitting groundwater monitoring data for the Quarter 3, 2025 sampling event at the Duck Creek Power Plant Ash Pond No.1 and Ash Pond No.2, identified by Illinois Environmental Protection Agency (IEPA) ID No. W0578010001-01 and W0578010001-02. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances[1] of the GWPS. Per the compliance commitment acceptance dated December 28, 2022, the necessary eight quarters of groundwater monitoring have been conducted at Duck Creek Power Plant Ash Pond No. 1 and Ash Pond No. 2, and an amendment to the previously submitted operating permit application has been submitted. Quarter 3, 2025 is the first sampling event evaluated under 35 I.A.C. § 845.600.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16). As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 3, 2025, Ash Pond No.1 and Ash Pond No.2, Duck Creek Power Plant, Canton, Illinois

[1] Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the Illinois Environmental Protection Agency (IEPA) on July 3, 2025 as part of Illinois Power Resources Generating, LLC operating permit application for Duck Creek Power Plant Ash Pond No.1 and Ash Pond No.2, and subsequently revised on September 12, 2025. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Resources Generating, LLC has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES[1]
QUARTER 3, 2025
ASH POND NO. 1 AND ASH POND NO. 2, DUCK CREEK POWER PLANT, CANTON, ILLINOIS

November 23, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on September 24, 2025.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 3, 2025 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 3, 2025 sampling event.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan)[2], and subsequently revised and submitted to IEPA[3], constituent concentrations observed at compliance monitoring wells in Quarter 3, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels. Per the compliance commitment acceptance dated December 28, 2022, the necessary eight quarters of groundwater monitoring have been conducted at Duck Creek Power Plant Ash Pond No. 1 and Ash Pond No. 2, and an amendment to the previously submitted operating permit application has been submitted. Quarter 3, 2025 is the first sampling event evaluated under 35 I.A.C. § 845.600.

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency (IEPA) within 60 days of this transmittal.

TABLES

[1] Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the Illinois Environmental Protection Agency (IEPA) on July 3, 2025 as part of Illinois Power Resources Generating, LLC operating permit application for Duck Creek Power Plant Ash Pond No.1 and Ash Pond No.2. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Resources Generating, LLC has not identified any actual exceedances.

[2] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2025a. *Groundwater Monitoring Plan. Ash Pond No.1 and Ash Pond No.2. Duck Creek Power Plant. Canton, Illinois. July 3, 2025.*

[3] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2025b. *Groundwater Monitoring Plan. Ash Pond No.1 and Ash Pond No.2. Duck Creek Plant. Canton, Illinois. September 12, 2025.*

FIGURES

ATTACHMENTS

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OM101D	Background	E001	08/20/2025	Antimony, total	0.00084 J	mg/L
OM101D	Background	E001	08/20/2025	Arsenic, total	0.00250	mg/L
OM101D	Background	E001	08/20/2025	Barium, total	0.0150 J+	mg/L
OM101D	Background	E001	08/20/2025	Beryllium, total	0.00059 U	mg/L
OM101D	Background	E001	08/20/2025	Boron, total	0.120 J+	mg/L
OM101D	Background	E001	08/20/2025	Cadmium, total	0.00074 U	mg/L
OM101D	Background	E001	08/20/2025	Calcium, total	370	mg/L
OM101D	Background	E001	08/20/2025	Chloride, total	1.80	mg/L
OM101D	Background	E001	08/20/2025	Chromium, total	0.0028 U	mg/L
OM101D	Background	E001	08/20/2025	Cobalt, total	0.002 UJ	mg/L
OM101D	Background	E001	08/20/2025	Dissolved Oxygen	0.780	mg/L
OM101D	Background	E001	08/20/2025	Fluoride, total	0.2 U	mg/L
OM101D	Background	E001	08/20/2025	Lead, total	0.00022 U	mg/L
OM101D	Background	E001	08/20/2025	Lithium, total	0.005 U	mg/L
OM101D	Background	E001	08/20/2025	Mercury, total	0.00014 U	mg/L
OM101D	Background	E001	08/20/2025	Molybdenum, total	0.00220	mg/L
OM101D	Background	E001	08/20/2025	Oxidation Reduction Potential	37.6	mV
OM101D	Background	E001	08/20/2025	pH (field)	6.6	SU
OM101D	Background	E001	08/20/2025	Radium 226 + Radium 228, total	2.42	pCi/L
OM101D	Background	E001	08/20/2025	Selenium, total	0.00074 U	mg/L
OM101D	Background	E001	08/20/2025	Specific Conductance @ 25C (field)	2,163	micromhos/cm
OM101D	Background	E001	08/20/2025	Sulfate, total	1,100	mg/L
OM101D	Background	E001	08/20/2025	Temperature	14.6	degrees C
OM101D	Background	E001	08/20/2025	Thallium, total	0.00038 U	mg/L
OM101D	Background	E001	08/20/2025	Total Dissolved Solids	1,700	mg/L
OM101D	Background	E001	08/20/2025	Turbidity, field	6.80	NTU
OM16	Background	E001	08/20/2025	Antimony, total	0.00043 U	mg/L
OM16	Background	E001	08/20/2025	Arsenic, total	0.00110	mg/L
OM16	Background	E001	08/20/2025	Barium, total	0.0140 J+	mg/L
OM16	Background	E001	08/20/2025	Beryllium, total	0.00059 U	mg/L
OM16	Background	E001	08/20/2025	Boron, total	0.0380 J+	mg/L
OM16	Background	E001	08/20/2025	Cadmium, total	0.00074 U	mg/L
OM16	Background	E001	08/20/2025	Calcium, total	630	mg/L
OM16	Background	E001	08/20/2025	Chloride, total	7.90	mg/L
OM16	Background	E001	08/20/2025	Chromium, total	0.0028 U	mg/L
OM16	Background	E001	08/20/2025	Cobalt, total	0.00270 J+	mg/L
OM16	Background	E001	08/20/2025	Dissolved Oxygen	1.50	mg/L
OM16	Background	E001	08/20/2025	Fluoride, total	0.2 U	mg/L
OM16	Background	E001	08/20/2025	Lead, total	0.001 UJ	mg/L
OM16	Background	E001	08/20/2025	Lithium, total	0.0330	mg/L
OM16	Background	E001	08/20/2025	Mercury, total	0.00014 U	mg/L
OM16	Background	E001	08/20/2025	Molybdenum, total	0.00074 U	mg/L
OM16	Background	E001	08/20/2025	Oxidation Reduction Potential	81.9	mV
OM16	Background	E001	08/20/2025	pH (field)	6.4	SU
OM16	Background	E001	08/20/2025	Radium 226 + Radium 228, total	1.06	pCi/L
OM16	Background	E001	08/20/2025	Selenium, total	0.00074 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OM16	Background	E001	08/20/2025	Specific Conductance @ 25C (field)	4,057	micromhos/cm
OM16	Background	E001	08/20/2025	Sulfate, total	2,300	mg/L
OM16	Background	E001	08/20/2025	Temperature	20.3	degrees C
OM16	Background	E001	08/20/2025	Thallium, total	0.00038 U	mg/L
OM16	Background	E001	08/20/2025	Total Dissolved Solids	3,800	mg/L
OM16	Background	E001	08/20/2025	Turbidity, field	148	NTU
OM17D	Background	E001	08/20/2025	Antimony, total	0.00043 U	mg/L
OM17D	Background	E001	08/20/2025	Arsenic, total	0.00480	mg/L
OM17D	Background	E001	08/20/2025	Barium, total	0.0170 J+	mg/L
OM17D	Background	E001	08/20/2025	Beryllium, total	0.00059 U	mg/L
OM17D	Background	E001	08/20/2025	Boron, total	0.260	mg/L
OM17D	Background	E001	08/20/2025	Cadmium, total	0.00074 U	mg/L
OM17D	Background	E001	08/20/2025	Calcium, total	290	mg/L
OM17D	Background	E001	08/20/2025	Chloride, total	4.40	mg/L
OM17D	Background	E001	08/20/2025	Chromium, total	0.0028 U	mg/L
OM17D	Background	E001	08/20/2025	Cobalt, total	0.002 UJ	mg/L
OM17D	Background	E001	08/20/2025	Dissolved Oxygen	1.40	mg/L
OM17D	Background	E001	08/20/2025	Fluoride, total	0.2 U	mg/L
OM17D	Background	E001	08/20/2025	Lead, total	0.00022 U	mg/L
OM17D	Background	E001	08/20/2025	Lithium, total	0.011 J	mg/L
OM17D	Background	E001	08/20/2025	Mercury, total	0.00014 U	mg/L
OM17D	Background	E001	08/20/2025	Molybdenum, total	0.00560	mg/L
OM17D	Background	E001	08/20/2025	Oxidation Reduction Potential	42.2	mV
OM17D	Background	E001	08/20/2025	pH (field)	6.7	SU
OM17D	Background	E001	08/20/2025	Radium 226 + Radium 228, total	1.26	pCi/L
OM17D	Background	E001	08/20/2025	Selenium, total	0.00074 U	mg/L
OM17D	Background	E001	08/20/2025	Specific Conductance @ 25C (field)	2,294	micromhos/cm
OM17D	Background	E001	08/20/2025	Sulfate, total	880	mg/L
OM17D	Background	E001	08/20/2025	Temperature	16.0	degrees C
OM17D	Background	E001	08/20/2025	Thallium, total	0.00038 U	mg/L
OM17D	Background	E001	08/20/2025	Total Dissolved Solids	1,600	mg/L
OM17D	Background	E001	08/20/2025	Turbidity, field	11.5	NTU
OM21	Compliance	E001	08/19/2025	Antimony, total	0.0015 J	mg/L
OM21	Compliance	E001	08/19/2025	Arsenic, total	0.00069 U	mg/L
OM21	Compliance	E001	08/19/2025	Barium, total	0.0140 J+	mg/L
OM21	Compliance	E001	08/19/2025	Beryllium, total	0.00059 U	mg/L
OM21	Compliance	E001	08/19/2025	Boron, total	8.90	mg/L
OM21	Compliance	E001	08/19/2025	Cadmium, total	0.00074 U	mg/L
OM21	Compliance	E001	08/19/2025	Calcium, total	320	mg/L
OM21	Compliance	E001	08/19/2025	Chloride, total	230	mg/L
OM21	Compliance	E001	08/19/2025	Chromium, total	0.0028 U	mg/L
OM21	Compliance	E001	08/19/2025	Cobalt, total	0.00048 U	mg/L
OM21	Compliance	E001	08/19/2025	Dissolved Oxygen	0.400	mg/L
OM21	Compliance	E001	08/19/2025	Fluoride, total	0.222 J	mg/L
OM21	Compliance	E001	08/19/2025	Lead, total	0.00031 J	mg/L
OM21	Compliance	E001	08/19/2025	Lithium, total	0.0400	mg/L

TABLE 1.
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845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OM21	Compliance	E001	08/19/2025	Mercury, total	0.00014 U	mg/L
OM21	Compliance	E001	08/19/2025	Molybdenum, total	0.00190	mg/L
OM21	Compliance	E001	08/19/2025	Oxidation Reduction Potential	-21.0	mV
OM21	Compliance	E001	08/19/2025	pH (field)	6.8	SU
OM21	Compliance	E001	08/19/2025	Radium 226 + Radium 228, total	1.03	pCi/L
OM21	Compliance	E001	08/19/2025	Selenium, total	0.00074 U	mg/L
OM21	Compliance	E001	08/19/2025	Specific Conductance @ 25C (field)	3,362	micromhos/cm
OM21	Compliance	E001	08/19/2025	Sulfate, total	1,200	mg/L
OM21	Compliance	E001	08/19/2025	Temperature	14.2	degrees C
OM21	Compliance	E001	08/19/2025	Thallium, total	0.00038 U	mg/L
OM21	Compliance	E001	08/19/2025	Total Dissolved Solids	2,400	mg/L
OM21	Compliance	E001	08/19/2025	Turbidity, field	18.7	NTU
OM22D	Compliance	E001	08/19/2025	Antimony, total	0.00043 U	mg/L
OM22D	Compliance	E001	08/19/2025	Arsenic, total	0.00170	mg/L
OM22D	Compliance	E001	08/19/2025	Barium, total	0.0150 J+	mg/L
OM22D	Compliance	E001	08/19/2025	Beryllium, total	0.00059 U	mg/L
OM22D	Compliance	E001	08/19/2025	Boron, total	61.0	mg/L
OM22D	Compliance	E001	08/19/2025	Cadmium, total	0.00074 U	mg/L
OM22D	Compliance	E001	08/19/2025	Calcium, total	730	mg/L
OM22D	Compliance	E001	08/19/2025	Chloride, total	890	mg/L
OM22D	Compliance	E001	08/19/2025	Chromium, total	0.0028 U	mg/L
OM22D	Compliance	E001	08/19/2025	Cobalt, total	0.0005 J	mg/L
OM22D	Compliance	E001	08/19/2025	Dissolved Oxygen	0.390	mg/L
OM22D	Compliance	E001	08/19/2025	Fluoride, total	0.208 J	mg/L
OM22D	Compliance	E001	08/19/2025	Lead, total	0.00022 U	mg/L
OM22D	Compliance	E001	08/19/2025	Lithium, total	0.0420	mg/L
OM22D	Compliance	E001	08/19/2025	Mercury, total	0.00014 U	mg/L
OM22D	Compliance	E001	08/19/2025	Molybdenum, total	0.110	mg/L
OM22D	Compliance	E001	08/19/2025	Oxidation Reduction Potential	-216	mV
OM22D	Compliance	E001	08/19/2025	pH (field)	6.7	SU
OM22D	Compliance	E001	08/19/2025	Radium 226 + Radium 228, total	1.02	pCi/L
OM22D	Compliance	E001	08/19/2025	Selenium, total	0.00074 U	mg/L
OM22D	Compliance	E001	08/19/2025	Specific Conductance @ 25C (field)	4,386	micromhos/cm
OM22D	Compliance	E001	08/19/2025	Sulfate, total	810	mg/L
OM22D	Compliance	E001	08/19/2025	Temperature	17.1	degrees C
OM22D	Compliance	E001	08/19/2025	Thallium, total	0.00038 U	mg/L
OM22D	Compliance	E001	08/19/2025	Total Dissolved Solids	2,900	mg/L
OM22D	Compliance	E001	08/19/2025	Turbidity, field	39.6	NTU
OM23D	Compliance	E001	08/19/2025	Antimony, total	0.00043 U	mg/L
OM23D	Compliance	E001	08/19/2025	Arsenic, total	0.00160	mg/L
OM23D	Compliance	E001	08/19/2025	Barium, total	0.0330	mg/L
OM23D	Compliance	E001	08/19/2025	Beryllium, total	0.00059 U	mg/L
OM23D	Compliance	E001	08/19/2025	Boron, total	1.80	mg/L
OM23D	Compliance	E001	08/19/2025	Cadmium, total	0.00074 U	mg/L
OM23D	Compliance	E001	08/19/2025	Calcium, total	170	mg/L
OM23D	Compliance	E001	08/19/2025	Chloride, total	28.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OM23D	Compliance	E001	08/19/2025	Chromium, total	0.0033 J	mg/L
OM23D	Compliance	E001	08/19/2025	Cobalt, total	0.00085 J	mg/L
OM23D	Compliance	E001	08/19/2025	Dissolved Oxygen	0.240	mg/L
OM23D	Compliance	E001	08/19/2025	Fluoride, total	0.2 U	mg/L
OM23D	Compliance	E001	08/19/2025	Lead, total	0.00085 J	mg/L
OM23D	Compliance	E001	08/19/2025	Lithium, total	0.0370	mg/L
OM23D	Compliance	E001	08/19/2025	Mercury, total	0.00018 J	mg/L
OM23D	Compliance	E001	08/19/2025	Molybdenum, total	0.00270	mg/L
OM23D	Compliance	E001	08/19/2025	Oxidation Reduction Potential	-65.0	mV
OM23D	Compliance	E001	08/19/2025	pH (field)	6.8	SU
OM23D	Compliance	E001	08/19/2025	Radium 226 + Radium 228, total	2.33	pCi/L
OM23D	Compliance	E001	08/19/2025	Selenium, total	0.00074 U	mg/L
OM23D	Compliance	E001	08/19/2025	Specific Conductance @ 25C (field)	1,764	micromhos/cm
OM23D	Compliance	E001	08/19/2025	Sulfate, total	400	mg/L
OM23D	Compliance	E001	08/19/2025	Temperature	15.1	degrees C
OM23D	Compliance	E001	08/19/2025	Thallium, total	0.00038 U	mg/L
OM23D	Compliance	E001	08/19/2025	Total Dissolved Solids	1,100	mg/L
OM23D	Compliance	E001	08/19/2025	Turbidity, field	113	NTU
OM24D	Compliance	E001	08/19/2025	Antimony, total	0.00043 U	mg/L
OM24D	Compliance	E001	08/19/2025	Arsenic, total	0.00600	mg/L
OM24D	Compliance	E001	08/19/2025	Barium, total	0.0150 J+	mg/L
OM24D	Compliance	E001	08/19/2025	Beryllium, total	0.00059 U	mg/L
OM24D	Compliance	E001	08/19/2025	Boron, total	23.0	mg/L
OM24D	Compliance	E001	08/19/2025	Cadmium, total	0.00074 U	mg/L
OM24D	Compliance	E001	08/19/2025	Calcium, total	410	mg/L
OM24D	Compliance	E001	08/19/2025	Chloride, total	440	mg/L
OM24D	Compliance	E001	08/19/2025	Chromium, total	0.0028 U	mg/L
OM24D	Compliance	E001	08/19/2025	Cobalt, total	0.00048 U	mg/L
OM24D	Compliance	E001	08/19/2025	Dissolved Oxygen	0.340	mg/L
OM24D	Compliance	E001	08/19/2025	Fluoride, total	0.224 J	mg/L
OM24D	Compliance	E001	08/19/2025	Lead, total	0.00022 U	mg/L
OM24D	Compliance	E001	08/19/2025	Lithium, total	0.013 J	mg/L
OM24D	Compliance	E001	08/19/2025	Mercury, total	0.00014 U	mg/L
OM24D	Compliance	E001	08/19/2025	Molybdenum, total	0.00390	mg/L
OM24D	Compliance	E001	08/19/2025	Oxidation Reduction Potential	-137	mV
OM24D	Compliance	E001	08/19/2025	pH (field)	6.7	SU
OM24D	Compliance	E001	08/19/2025	Radium 226 + Radium 228, total	0.804	pCi/L
OM24D	Compliance	E001	08/19/2025	Selenium, total	0.00074 U	mg/L
OM24D	Compliance	E001	08/19/2025	Specific Conductance @ 25C (field)	3,189	micromhos/cm
OM24D	Compliance	E001	08/19/2025	Sulfate, total	890	mg/L
OM24D	Compliance	E001	08/19/2025	Temperature	16.7	degrees C
OM24D	Compliance	E001	08/19/2025	Thallium, total	0.00038 U	mg/L
OM24D	Compliance	E001	08/19/2025	Total Dissolved Solids	2,100	mg/L
OM24D	Compliance	E001	08/19/2025	Turbidity, field	3.00	NTU
OM25S	Compliance	E001	08/20/2025	Antimony, total	0.00057 J	mg/L
OM25S	Compliance	E001	08/20/2025	Arsenic, total	0.00690	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OM25S	Compliance	E001	08/20/2025	Barium, total	0.0880 J+	mg/L
OM25S	Compliance	E001	08/20/2025	Beryllium, total	0.00087 J	mg/L
OM25S	Compliance	E001	08/20/2025	Boron, total	32.0	mg/L
OM25S	Compliance	E001	08/20/2025	Cadmium, total	0.00074 U	mg/L
OM25S	Compliance	E001	08/20/2025	Calcium, total	410	mg/L
OM25S	Compliance	E001	08/20/2025	Chloride, total	670	mg/L
OM25S	Compliance	E001	08/20/2025	Chromium, total	0.0220 J+	mg/L
OM25S	Compliance	E001	08/20/2025	Cobalt, total	0.0180	mg/L
OM25S	Compliance	E001	08/20/2025	Dissolved Oxygen	1.90	mg/L
OM25S	Compliance	E001	08/20/2025	Fluoride, total	0.2 U	mg/L
OM25S	Compliance	E001	08/20/2025	Lead, total	0.0120	mg/L
OM25S	Compliance	E001	08/20/2025	Lithium, total	0.0770	mg/L
OM25S	Compliance	E001	08/20/2025	Mercury, total	0.00014 U	mg/L
OM25S	Compliance	E001	08/20/2025	Molybdenum, total	0.00440	mg/L
OM25S	Compliance	E001	08/20/2025	Oxidation Reduction Potential	15.0	mV
OM25S	Compliance	E001	08/20/2025	pH (field)	6.6	SU
OM25S	Compliance	E001	08/20/2025	Radium 226 + Radium 228, total	6.29	pCi/L
OM25S	Compliance	E001	08/20/2025	Selenium, total	0.00074 U	mg/L
OM25S	Compliance	E001	08/20/2025	Specific Conductance @ 25C (field)	3,659	micromhos/cm
OM25S	Compliance	E001	08/20/2025	Sulfate, total	780	mg/L
OM25S	Compliance	E001	08/20/2025	Temperature	16.5	degrees C
OM25S	Compliance	E001	08/20/2025	Thallium, total	0.00038 U	mg/L
OM25S	Compliance	E001	08/20/2025	Total Dissolved Solids	2,500	mg/L
OM25S	Compliance	E001	08/20/2025	Turbidity, field	1,000 U	NTU
OM25D	Compliance	E001	08/20/2025	Antimony, total	0.00072 J	mg/L
OM25D	Compliance	E001	08/20/2025	Arsenic, total	0.00480	mg/L
OM25D	Compliance	E001	08/20/2025	Barium, total	0.0960 J+	mg/L
OM25D	Compliance	E001	08/20/2025	Beryllium, total	0.00076 J	mg/L
OM25D	Compliance	E001	08/20/2025	Boron, total	3.70	mg/L
OM25D	Compliance	E001	08/20/2025	Cadmium, total	0.00096 J	mg/L
OM25D	Compliance	E001	08/20/2025	Calcium, total	260 J+	mg/L
OM25D	Compliance	E001	08/20/2025	Chloride, total	280	mg/L
OM25D	Compliance	E001	08/20/2025	Chromium, total	0.0220 J+	mg/L
OM25D	Compliance	E001	08/20/2025	Cobalt, total	0.0150	mg/L
OM25D	Compliance	E001	08/20/2025	Dissolved Oxygen	1.30	mg/L
OM25D	Compliance	E001	08/20/2025	Fluoride, total	0.2 U	mg/L
OM25D	Compliance	E001	08/20/2025	Lead, total	0.00740	mg/L
OM25D	Compliance	E001	08/20/2025	Lithium, total	0.0690	mg/L
OM25D	Compliance	E001	08/20/2025	Mercury, total	0.00014 U	mg/L
OM25D	Compliance	E001	08/20/2025	Molybdenum, total	0.00220	mg/L
OM25D	Compliance	E001	08/20/2025	Oxidation Reduction Potential	-42.0	mV
OM25D	Compliance	E001	08/20/2025	pH (field)	6.7	SU
OM25D	Compliance	E001	08/20/2025	Radium 226 + Radium 228, total	4.71	pCi/L
OM25D	Compliance	E001	08/20/2025	Selenium, total	0.00074 U	mg/L
OM25D	Compliance	E001	08/20/2025	Specific Conductance @ 25C (field)	3,025	micromhos/cm
OM25D	Compliance	E001	08/20/2025	Sulfate, total	650	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OM25D	Compliance	E001	08/20/2025	Temperature	19.3	degrees C
OM25D	Compliance	E001	08/20/2025	Thallium, total	0.00038 U	mg/L
OM25D	Compliance	E001	08/20/2025	Total Dissolved Solids	1,600	mg/L
OM25D	Compliance	E001	08/20/2025	Turbidity, field	1,000 U	NTU
OR03D	Compliance	E001	08/20/2025	Antimony, total	0.00043 U	mg/L
OR03D	Compliance	E001	08/20/2025	Arsenic, total	0.00450	mg/L
OR03D	Compliance	E001	08/20/2025	Barium, total	0.0600 J+	mg/L
OR03D	Compliance	E001	08/20/2025	Beryllium, total	0.00059 U	mg/L
OR03D	Compliance	E001	08/20/2025	Boron, total	60.0	mg/L
OR03D	Compliance	E001	08/20/2025	Cadmium, total	0.00400	mg/L
OR03D	Compliance	E001	08/20/2025	Calcium, total	640	mg/L
OR03D	Compliance	E001	08/20/2025	Chloride, total	1,500	mg/L
OR03D	Compliance	E001	08/20/2025	Chromium, total	0.0140 J+	mg/L
OR03D	Compliance	E001	08/20/2025	Cobalt, total	0.00520 J+	mg/L
OR03D	Compliance	E001	08/20/2025	Dissolved Oxygen	0.870	mg/L
OR03D	Compliance	E001	08/20/2025	Fluoride, total	0.2 U	mg/L
OR03D	Compliance	E001	08/20/2025	Lead, total	0.00460 J+	mg/L
OR03D	Compliance	E001	08/20/2025	Lithium, total	0.0500	mg/L
OR03D	Compliance	E001	08/20/2025	Mercury, total	0.00014 U	mg/L
OR03D	Compliance	E001	08/20/2025	Molybdenum, total	0.00570	mg/L
OR03D	Compliance	E001	08/20/2025	Oxidation Reduction Potential	-54.0	mV
OR03D	Compliance	E001	08/20/2025	pH (field)	6.5	SU
OR03D	Compliance	E001	08/20/2025	Radium 226 + Radium 228, total	2.72	pCi/L
OR03D	Compliance	E001	08/20/2025	Selenium, total	0.00074 U	mg/L
OR03D	Compliance	E001	08/20/2025	Specific Conductance @ 25C (field)	5,701	micromhos/cm
OR03D	Compliance	E001	08/20/2025	Sulfate, total	740	mg/L
OR03D	Compliance	E001	08/20/2025	Temperature	16.0	degrees C
OR03D	Compliance	E001	08/20/2025	Thallium, total	0.00038 U	mg/L
OR03D	Compliance	E001	08/20/2025	Total Dissolved Solids	3,600	mg/L
OR03D	Compliance	E001	08/20/2025	Turbidity, field	912	NTU
OR04D	Compliance	E001	08/21/2025	Antimony, total	0.00067 J	mg/L
OR04D	Compliance	E001	08/21/2025	Arsenic, total	0.00160	mg/L
OR04D	Compliance	E001	08/21/2025	Barium, total	0.0570	mg/L
OR04D	Compliance	E001	08/21/2025	Beryllium, total	0.00059 U	mg/L
OR04D	Compliance	E001	08/21/2025	Boron, total	26.0	mg/L
OR04D	Compliance	E001	08/21/2025	Cadmium, total	0.00074 U	mg/L
OR04D	Compliance	E001	08/21/2025	Calcium, total	370	mg/L
OR04D	Compliance	E001	08/21/2025	Chloride, total	460	mg/L
OR04D	Compliance	E001	08/21/2025	Chromium, total	0.0032 J	mg/L
OR04D	Compliance	E001	08/21/2025	Cobalt, total	0.00250	mg/L
OR04D	Compliance	E001	08/21/2025	Dissolved Oxygen	1.30	mg/L
OR04D	Compliance	E001	08/21/2025	Fluoride, total	0.2 U	mg/L
OR04D	Compliance	E001	08/21/2025	Lead, total	0.00042 J	mg/L
OR04D	Compliance	E001	08/21/2025	Lithium, total	0.0850	mg/L
OR04D	Compliance	E001	08/21/2025	Mercury, total	0.00014 U	mg/L
OR04D	Compliance	E001	08/21/2025	Molybdenum, total	0.00350	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OR04D	Compliance	E001	08/21/2025	Oxidation Reduction Potential	23.0	mV
OR04D	Compliance	E001	08/21/2025	pH (field)	8.0	SU
OR04D	Compliance	E001	08/21/2025	Radium 226 + Radium 228, total	0.324	pCi/L
OR04D	Compliance	E001	08/21/2025	Selenium, total	0.00074 U	mg/L
OR04D	Compliance	E001	08/21/2025	Specific Conductance @ 25C (field)	223	micromhos/cm
OR04D	Compliance	E001	08/21/2025	Sulfate, total	810	mg/L
OR04D	Compliance	E001	08/21/2025	Temperature	15.4	degrees C
OR04D	Compliance	E001	08/21/2025	Thallium, total	0.00038 U	mg/L
OR04D	Compliance	E001	08/21/2025	Total Dissolved Solids	2,200	mg/L
OR04D	Compliance	E001	08/21/2025	Turbidity, field	20.2	NTU
OR06A	Compliance	E001	08/21/2025	Antimony, total	0.00043 U	mg/L
OR06A	Compliance	E001	08/21/2025	Arsenic, total	0.00900	mg/L
OR06A	Compliance	E001	08/21/2025	Barium, total	0.0240	mg/L
OR06A	Compliance	E001	08/21/2025	Beryllium, total	0.00059 U	mg/L
OR06A	Compliance	E001	08/21/2025	Boron, total	69.0	mg/L
OR06A	Compliance	E001	08/21/2025	Cadmium, total	0.00074 U	mg/L
OR06A	Compliance	E001	08/21/2025	Calcium, total	450	mg/L
OR06A	Compliance	E001	08/21/2025	Chloride, total	530	mg/L
OR06A	Compliance	E001	08/21/2025	Chromium, total	0.0028 U	mg/L
OR06A	Compliance	E001	08/21/2025	Cobalt, total	0.00210	mg/L
OR06A	Compliance	E001	08/21/2025	Dissolved Oxygen	1.10	mg/L
OR06A	Compliance	E001	08/21/2025	Fluoride, total	0.2 U	mg/L
OR06A	Compliance	E001	08/21/2025	Lead, total	0.00022 U	mg/L
OR06A	Compliance	E001	08/21/2025	Lithium, total	0.0088 J	mg/L
OR06A	Compliance	E001	08/21/2025	Mercury, total	0.00014 U	mg/L
OR06A	Compliance	E001	08/21/2025	Molybdenum, total	0.0800	mg/L
OR06A	Compliance	E001	08/21/2025	Oxidation Reduction Potential	7.60	mV
OR06A	Compliance	E001	08/21/2025	pH (field)	6.7	SU
OR06A	Compliance	E001	08/21/2025	Radium 226 + Radium 228, total	0.377	pCi/L
OR06A	Compliance	E001	08/21/2025	Selenium, total	0.00074 U	mg/L
OR06A	Compliance	E001	08/21/2025	Specific Conductance @ 25C (field)	3,216	micromhos/cm
OR06A	Compliance	E001	08/21/2025	Sulfate, total	750	mg/L
OR06A	Compliance	E001	08/21/2025	Temperature	15.0	degrees C
OR06A	Compliance	E001	08/21/2025	Thallium, total	0.00038 U	mg/L
OR06A	Compliance	E001	08/21/2025	Total Dissolved Solids	2,400 J	mg/L
OR06A	Compliance	E001	08/21/2025	Turbidity, field	84.7	NTU
OR13D	Compliance	E001	08/19/2025	Antimony, total	0.00043 U	mg/L
OR13D	Compliance	E001	08/19/2025	Arsenic, total	0.00420	mg/L
OR13D	Compliance	E001	08/19/2025	Barium, total	0.0290	mg/L
OR13D	Compliance	E001	08/19/2025	Beryllium, total	0.00059 U	mg/L
OR13D	Compliance	E001	08/19/2025	Boron, total	1.90	mg/L
OR13D	Compliance	E001	08/19/2025	Cadmium, total	0.00074 U	mg/L
OR13D	Compliance	E001	08/19/2025	Calcium, total	120 J+	mg/L
OR13D	Compliance	E001	08/19/2025	Chloride, total	47.0	mg/L
OR13D	Compliance	E001	08/19/2025	Chromium, total	0.0028 U	mg/L
OR13D	Compliance	E001	08/19/2025	Cobalt, total	0.00048 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OR13D	Compliance	E001	08/19/2025	Dissolved Oxygen	3.30	mg/L
OR13D	Compliance	E001	08/19/2025	Fluoride, total	0.261	mg/L
OR13D	Compliance	E001	08/19/2025	Lead, total	0.00022 U	mg/L
OR13D	Compliance	E001	08/19/2025	Lithium, total	0.0280	mg/L
OR13D	Compliance	E001	08/19/2025	Mercury, total	0.00014 U	mg/L
OR13D	Compliance	E001	08/19/2025	Molybdenum, total	0.00790	mg/L
OR13D	Compliance	E001	08/19/2025	Oxidation Reduction Potential	-54.0	mV
OR13D	Compliance	E001	08/19/2025	pH (field)	6.9	SU
OR13D	Compliance	E001	08/19/2025	Radium 226 + Radium 228, total	1.78	pCi/L
OR13D	Compliance	E001	08/19/2025	Selenium, total	0.00074 U	mg/L
OR13D	Compliance	E001	08/19/2025	Specific Conductance @ 25C (field)	1,884	micromhos/cm
OR13D	Compliance	E001	08/19/2025	Sulfate, total	350	mg/L
OR13D	Compliance	E001	08/19/2025	Temperature	15.3	degrees C
OR13D	Compliance	E001	08/19/2025	Thallium, total	0.00038 U	mg/L
OR13D	Compliance	E001	08/19/2025	Total Dissolved Solids	1,200	mg/L
OR13D	Compliance	E001	08/19/2025	Turbidity, field	20.8	NTU
OR14D	Compliance	E001	08/21/2025	Antimony, total	0.00043 U	mg/L
OR14D	Compliance	E001	08/21/2025	Arsenic, total	0.00320	mg/L
OR14D	Compliance	E001	08/21/2025	Barium, total	0.0290	mg/L
OR14D	Compliance	E001	08/21/2025	Beryllium, total	0.00059 U	mg/L
OR14D	Compliance	E001	08/21/2025	Boron, total	34.0	mg/L
OR14D	Compliance	E001	08/21/2025	Cadmium, total	0.00074 U	mg/L
OR14D	Compliance	E001	08/21/2025	Calcium, total	480	mg/L
OR14D	Compliance	E001	08/21/2025	Chloride, total	610	mg/L
OR14D	Compliance	E001	08/21/2025	Chromium, total	0.0028 U	mg/L
OR14D	Compliance	E001	08/21/2025	Cobalt, total	0.00082 J	mg/L
OR14D	Compliance	E001	08/21/2025	Dissolved Oxygen	0	mg/L
OR14D	Compliance	E001	08/21/2025	Fluoride, total	0.202 J	mg/L
OR14D	Compliance	E001	08/21/2025	Lead, total	0.00056 J	mg/L
OR14D	Compliance	E001	08/21/2025	Lithium, total	0.0290	mg/L
OR14D	Compliance	E001	08/21/2025	Mercury, total	0.00014 U	mg/L
OR14D	Compliance	E001	08/21/2025	Molybdenum, total	0.00640	mg/L
OR14D	Compliance	E001	08/21/2025	Oxidation Reduction Potential	-91.3	mV
OR14D	Compliance	E001	08/21/2025	pH (field)	6.6	SU
OR14D	Compliance	E001	08/21/2025	Radium 226 + Radium 228, total	0.908	pCi/L
OR14D	Compliance	E001	08/21/2025	Selenium, total	0.00074 U	mg/L
OR14D	Compliance	E001	08/21/2025	Specific Conductance @ 25C (field)	3,453	micromhos/cm
OR14D	Compliance	E001	08/21/2025	Sulfate, total	740	mg/L
OR14D	Compliance	E001	08/21/2025	Temperature	13.8	degrees C
OR14D	Compliance	E001	08/21/2025	Thallium, total	0.00038 U	mg/L
OR14D	Compliance	E001	08/21/2025	Total Dissolved Solids	2,400	mg/L
OR14D	Compliance	E001	08/21/2025	Turbidity, field	86.2	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Notes:
C = Celsius
cm = centimeter
Events:
E001 = Quarter 3, 2025 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OM21	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.003	0.006	Standard	No Exceedance
OM21	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/19/25	9	44	CI around mean	0.000847	0.0903	Background	No Exceedance
OM21	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around geomean	0.0147	2.0	Standard	No Exceedance
OM21	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OM21	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	7.79	2	Standard	Exceedance
OM21	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OM21	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	223	200	Standard	Exceedance
OM21	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.004	0.140	Background	No Exceedance
OM21	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.002	0.0790	Background	No Exceedance
OM21	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/19/25	9	56	CI around median	0.25	4.0	Standard	No Exceedance
OM21	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/19/25	9	67	CI around median	0.001	0.0710	Background	No Exceedance
OM21	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around median	0.04	0.140	Background	No Exceedance
OM21	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.0002	0.002	Standard	No Exceedance
OM21	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/19/25	9	0	CI around geomean	0.00162	0.1	Standard	No Exceedance
OM21	CGMS	E001	pH (field)	SU	01/12/23 - 08/19/25	12	0	CI around mean	6.6/6.9	6.0/9.0	Background/Standard	No Exceedance
OM21	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/19/25	9	0	CI around mean	0.404	5	Standard	No Exceedance
OM21	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OM21	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	997	2,300	Background	No Exceedance
OM21	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OM21	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	2,420	4,200	Background	No Exceedance
OM22D	CGMS	E001	Antimony, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OM22D	CGMS	E001	Arsenic, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.00275	0.0903	Background	No Exceedance
OM22D	CGMS	E001	Barium, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.0351	2.0	Standard	No Exceedance
OM22D	CGMS	E001	Beryllium, total	mg/L	01/10/23 - 08/19/25	9	67	CI around median	0.001	0.00460	Background	No Exceedance
OM22D	CGMS	E001	Boron, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	48.7	2	Standard	Exceedance
OM22D	CGMS	E001	Cadmium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OM22D	CGMS	E001	Chloride, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	848	200	Standard	Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OM22D	CGMS	E001	Chromium, total	mg/L	01/10/23 - 08/19/25	9	11	CI around mean	0.0111	0.140	Background	No Exceedance
OM22D	CGMS	E001	Cobalt, total	mg/L	01/10/23 - 08/19/25	9	11	CI around mean	0.00258	0.0790	Background	No Exceedance
OM22D	CGMS	E001	Fluoride, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.25	4.0	Standard	No Exceedance
OM22D	CGMS	E001	Lead, total	mg/L	01/10/23 - 08/19/25	9	11	CI around geomean	0.00135	0.0710	Background	No Exceedance
OM22D	CGMS	E001	Lithium, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.0453	0.140	Background	No Exceedance
OM22D	CGMS	E001	Mercury, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OM22D	CGMS	E001	Molybdenum, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.0902	0.1	Standard	No Exceedance
OM22D	CGMS	E001	pH (field)	SU	01/10/23 - 08/19/25	12	0	CI around mean	6.5/6.9	6.0/9.0	Background/Standard	No Exceedance
OM22D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/10/23 - 08/19/25	9	0	CI around mean	0.364	5	Standard	No Exceedance
OM22D	CGMS	E001	Selenium, total	mg/L	01/10/23 - 08/19/25	9	67	CI around median	0.001	0.05	Standard	No Exceedance
OM22D	CGMS	E001	Sulfate, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	686	2,300	Background	No Exceedance
OM22D	CGMS	E001	Thallium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OM22D	CGMS	E001	Total Dissolved Solids	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	3,100	4,200	Background	No Exceedance
OM23D	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OM23D	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.00143	0.0903	Background	No Exceedance
OM23D	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.0267	2.0	Standard	No Exceedance
OM23D	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OM23D	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	1.83	2	Standard	No Exceedance
OM23D	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OM23D	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	25	200	Standard	No Exceedance
OM23D	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/19/25	9	67	CI around median	0.004	0.140	Background	No Exceedance
OM23D	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.002	0.0790	Background	No Exceedance
OM23D	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.25	4.0	Standard	No Exceedance
OM23D	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/19/25	9	56	CI around median	0.001	0.0710	Background	No Exceedance
OM23D	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.0338	0.140	Background	No Exceedance
OM23D	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.0002	0.002	Standard	No Exceedance
OM23D	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.00231	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OM23D	CGMS	E001	pH (field)	SU	01/12/23 - 08/19/25	12	0	CI around mean	6.6/6.9	6.0/9.0	Background/Standard	No Exceedance
OM23D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/19/25	9	0	CI around mean	0.401	5	Standard	No Exceedance
OM23D	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OM23D	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	364	2,300	Background	No Exceedance
OM23D	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OM23D	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/19/25	9	0	CI around median	1,100	4,200	Background	No Exceedance
OM24D	CGMS	E001	Antimony, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OM24D	CGMS	E001	Arsenic, total	mg/L	01/10/23 - 08/19/25	9	0	CI around geomean	0.00345	0.0903	Background	No Exceedance
OM24D	CGMS	E001	Barium, total	mg/L	01/10/23 - 08/19/25	9	0	CI around median	0.014	2.0	Standard	No Exceedance
OM24D	CGMS	E001	Beryllium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OM24D	CGMS	E001	Boron, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	19.3	2	Standard	Exceedance
OM24D	CGMS	E001	Cadmium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OM24D	CGMS	E001	Chloride, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	378	200	Standard	Exceedance
OM24D	CGMS	E001	Chromium, total	mg/L	01/10/23 - 08/19/25	9	89	CI around median	0.004	0.140	Background	No Exceedance
OM24D	CGMS	E001	Cobalt, total	mg/L	01/10/23 - 08/19/25	9	89	CI around median	0.002	0.0790	Background	No Exceedance
OM24D	CGMS	E001	Fluoride, total	mg/L	01/10/23 - 08/19/25	9	67	CB around T-S line	-0.831	4.0	Standard	No Exceedance
OM24D	CGMS	E001	Lead, total	mg/L	01/10/23 - 08/19/25	9	67	CI around median	0.001	0.0710	Background	No Exceedance
OM24D	CGMS	E001	Lithium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.02	0.140	Background	No Exceedance
OM24D	CGMS	E001	Mercury, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OM24D	CGMS	E001	Molybdenum, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.00433	0.1	Standard	No Exceedance
OM24D	CGMS	E001	pH (field)	SU	01/10/23 - 08/19/25	12	0	CI around mean	6.5/6.8	6.0/9.0	Background/Standard	No Exceedance
OM24D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/10/23 - 08/19/25	9	0	CI around mean	0.599	5	Standard	No Exceedance
OM24D	CGMS	E001	Selenium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OM24D	CGMS	E001	Sulfate, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	757	2,300	Background	No Exceedance
OM24D	CGMS	E001	Thallium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OM24D	CGMS	E001	Total Dissolved Solids	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	2,200	4,200	Background	No Exceedance
OM25S	CGMS	E001	Antimony, total	mg/L	01/10/23 - 08/20/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OM25S	CGMS	E001	Arsenic, total	mg/L	01/10/23 - 08/20/25	9	11	CI around mean	-0.00121	0.0903	Background	No Exceedance
OM25S	CGMS	E001	Barium, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.00908	2.0	Standard	No Exceedance
OM25S	CGMS	E001	Beryllium, total	mg/L	01/10/23 - 08/20/25	9	67	CI around median	0.001	0.00460	Background	No Exceedance
OM25S	CGMS	E001	Boron, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	25.4	2	Standard	Exceedance
OM25S	CGMS	E001	Cadmium, total	mg/L	01/10/23 - 08/20/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OM25S	CGMS	E001	Chloride, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	541	200	Standard	Exceedance
OM25S	CGMS	E001	Chromium, total	mg/L	01/10/23 - 08/20/25	9	11	CI around mean	-0.000727	0.140	Background	No Exceedance
OM25S	CGMS	E001	Cobalt, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.00161	0.0790	Background	No Exceedance
OM25S	CGMS	E001	Fluoride, total	mg/L	01/10/23 - 08/20/25	9	89	CI around median	0.25	4.0	Standard	No Exceedance
OM25S	CGMS	E001	Lead, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	-0.00307	0.0710	Background	No Exceedance
OM25S	CGMS	E001	Lithium, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.0481	0.140	Background	No Exceedance
OM25S	CGMS	E001	Mercury, total	mg/L	01/10/23 - 08/20/25	9	78	CI around median	0.0002	0.002	Standard	No Exceedance
OM25S	CGMS	E001	Molybdenum, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.00189	0.1	Standard	No Exceedance
OM25S	CGMS	E001	pH (field)	SU	01/10/23 - 08/20/25	12	0	CI around mean	6.5/6.8	6.0/9.0	Background/Standard	No Exceedance
OM25S	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/10/23 - 08/20/25	9	0	CI around geomean	1.39	5	Standard	No Exceedance
OM25S	CGMS	E001	Selenium, total	mg/L	01/10/23 - 08/20/25	9	56	CI around median	0.001	0.05	Standard	No Exceedance
OM25S	CGMS	E001	Sulfate, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	665	2,300	Background	No Exceedance
OM25S	CGMS	E001	Thallium, total	mg/L	01/10/23 - 08/20/25	9	89	CI around median	0.001	0.002	Standard	No Exceedance
OM25S	CGMS	E001	Total Dissolved Solids	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	2,560	4,200	Background	No Exceedance
OM25D	CGMS	E001	Antimony, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OM25D	CGMS	E001	Arsenic, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.0048	0.0903	Background	No Exceedance
OM25D	CGMS	E001	Barium, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.096	2.0	Standard	No Exceedance
OM25D	CGMS	E001	Beryllium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OM25D	CGMS	E001	Boron, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	3.7	2	Standard	Exceedance
OM25D	CGMS	E001	Cadmium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OM25D	CGMS	E001	Chloride, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	280	200	Standard	Exceedance
OM25D	CGMS	E001	Chromium, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.022	0.140	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OM25D	CGMS	E001	Cobalt, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.015	0.0790	Background	No Exceedance
OM25D	CGMS	E001	Fluoride, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.25	4.0	Standard	No Exceedance
OM25D	CGMS	E001	Lead, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.0074	0.0710	Background	No Exceedance
OM25D	CGMS	E001	Lithium, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.069	0.140	Background	No Exceedance
OM25D	CGMS	E001	Mercury, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OM25D	CGMS	E001	Molybdenum, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.0022	0.1	Standard	No Exceedance
OM25D	CGMS	E001	pH (field)	SU	08/20/25 - 08/20/25	1	0	Most recent sample	6.7/6.7	6.0/9.0	Background/Standard	No Exceedance
OM25D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	08/20/25 - 08/20/25	1	0	Most recent sample	4.71	5	Standard	No Exceedance
OM25D	CGMS	E001	Selenium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OM25D	CGMS	E001	Sulfate, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	650	2,300	Background	No Exceedance
OM25D	CGMS	E001	Thallium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OM25D	CGMS	E001	Total Dissolved Solids	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	1,600	4,200	Background	No Exceedance
OR03D	CGMS	E001	Antimony, total	mg/L	01/11/23 - 08/20/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OR03D	CGMS	E001	Arsenic, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.00385	0.0903	Background	No Exceedance
OR03D	CGMS	E001	Barium, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.0663	2.0	Standard	No Exceedance
OR03D	CGMS	E001	Beryllium, total	mg/L	01/11/23 - 08/20/25	9	56	CI around median	0.001	0.00460	Background	No Exceedance
OR03D	CGMS	E001	Boron, total	mg/L	01/11/23 - 08/20/25	9	0	CB around linear reg	30.8	2	Standard	Exceedance
OR03D	CGMS	E001	Cadmium, total	mg/L	01/11/23 - 08/20/25	9	89	CI around median	0.001	0.00760	Background	No Exceedance
OR03D	CGMS	E001	Chloride, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	833	200	Standard	Exceedance
OR03D	CGMS	E001	Chromium, total	mg/L	01/11/23 - 08/20/25	9	11	CI around geomean	0.00853	0.140	Background	No Exceedance
OR03D	CGMS	E001	Cobalt, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.00465	0.0790	Background	No Exceedance
OR03D	CGMS	E001	Fluoride, total	mg/L	01/11/23 - 08/20/25	9	89	CI around median	0.25	4.0	Standard	No Exceedance
OR03D	CGMS	E001	Lead, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.00358	0.0710	Background	No Exceedance
OR03D	CGMS	E001	Lithium, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	0.0299	0.140	Background	No Exceedance
OR03D	CGMS	E001	Mercury, total	mg/L	01/11/23 - 08/20/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OR03D	CGMS	E001	Molybdenum, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	0.00405	0.1	Standard	No Exceedance
OR03D	CGMS	E001	pH (field)	SU	01/11/23 - 08/20/25	12	0	CI around mean	6.4/6.9	6.0/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OR03D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/11/23 - 08/20/25	9	0	CI around geomean	1.73	5	Standard	No Exceedance
OR03D	CGMS	E001	Selenium, total	mg/L	01/11/23 - 08/20/25	9	33	CI around median	0.001	0.05	Standard	No Exceedance
OR03D	CGMS	E001	Sulfate, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	508	2,300	Background	No Exceedance
OR03D	CGMS	E001	Thallium, total	mg/L	01/11/23 - 08/20/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OR03D	CGMS	E001	Total Dissolved Solids	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	3,440	4,200	Background	No Exceedance
OR04D	CGMS	E001	Antimony, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OR04D	CGMS	E001	Arsenic, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.00255	0.0903	Background	No Exceedance
OR04D	CGMS	E001	Barium, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.0283	2.0	Standard	No Exceedance
OR04D	CGMS	E001	Beryllium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OR04D	CGMS	E001	Boron, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	55.5	2	Standard	Exceedance
OR04D	CGMS	E001	Cadmium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OR04D	CGMS	E001	Chloride, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	740	200	Standard	Exceedance
OR04D	CGMS	E001	Chromium, total	mg/L	01/11/23 - 08/21/25	9	11	CI around geomean	0.00373	0.140	Background	No Exceedance
OR04D	CGMS	E001	Cobalt, total	mg/L	01/11/23 - 08/21/25	9	22	CI around mean	0.00214	0.0790	Background	No Exceedance
OR04D	CGMS	E001	Fluoride, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.25	4.0	Standard	No Exceedance
OR04D	CGMS	E001	Lead, total	mg/L	01/11/23 - 08/21/25	9	11	CI around mean	-0.0000986	0.0710	Background	No Exceedance
OR04D	CGMS	E001	Lithium, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.0602	0.140	Background	No Exceedance
OR04D	CGMS	E001	Mercury, total	mg/L	01/11/23 - 08/21/25	9	89	CI around median	0.0002	0.002	Standard	No Exceedance
OR04D	CGMS	E001	Molybdenum, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.00377	0.1	Standard	No Exceedance
OR04D	CGMS	E001	pH (field)	SU	01/11/23 - 08/21/25	12	0	CI around median	6.3/6.9	6.0/9.0	Background/Standard	No Exceedance
OR04D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/11/23 - 08/21/25	9	0	CI around mean	0.651	5	Standard	No Exceedance
OR04D	CGMS	E001	Selenium, total	mg/L	01/11/23 - 08/21/25	9	89	CI around median	0.001	0.05	Standard	No Exceedance
OR04D	CGMS	E001	Sulfate, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	964	2,300	Background	No Exceedance
OR04D	CGMS	E001	Thallium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OR04D	CGMS	E001	Total Dissolved Solids	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	3,330	4,200	Background	No Exceedance
OR06A	CGMS	E001	Antimony, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OR06A	CGMS	E001	Arsenic, total	mg/L	01/11/23 - 08/21/25	9	0	CI around median	0.0093	0.0903	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OR06A	CGMS	E001	Barium, total	mg/L	01/11/23 - 08/21/25	9	0	CB around T-S line	-0.0699	2.0	Standard	No Exceedance
OR06A	CGMS	E001	Beryllium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OR06A	CGMS	E001	Boron, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	38.9	2	Standard	Exceedance
OR06A	CGMS	E001	Cadmium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OR06A	CGMS	E001	Chloride, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	351	200	Standard	Exceedance
OR06A	CGMS	E001	Chromium, total	mg/L	01/11/23 - 08/21/25	9	67	CI around median	0.004	0.140	Background	No Exceedance
OR06A	CGMS	E001	Cobalt, total	mg/L	01/11/23 - 08/21/25	9	33	CI around mean	0.0013	0.0790	Background	No Exceedance
OR06A	CGMS	E001	Fluoride, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.25	4.0	Standard	No Exceedance
OR06A	CGMS	E001	Lead, total	mg/L	01/11/23 - 08/21/25	9	56	CI around median	0.001	0.0710	Background	No Exceedance
OR06A	CGMS	E001	Lithium, total	mg/L	01/11/23 - 08/21/25	9	89	CI around median	0.02	0.140	Background	No Exceedance
OR06A	CGMS	E001	Mercury, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OR06A	CGMS	E001	Molybdenum, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.0356	0.1	Standard	No Exceedance
OR06A	CGMS	E001	pH (field)	SU	01/11/23 - 08/21/25	12	0	CI around mean	6.6/6.8	6.0/9.0	Background/Standard	No Exceedance
OR06A	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/11/23 - 08/21/25	9	0	CI around mean	0.468	5	Standard	No Exceedance
OR06A	CGMS	E001	Selenium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OR06A	CGMS	E001	Sulfate, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	481	2,300	Background	No Exceedance
OR06A	CGMS	E001	Thallium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OR06A	CGMS	E001	Total Dissolved Solids	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	2,120	4,200	Background	No Exceedance
OR13D	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OR13D	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/19/25	9	0	CI around median	0.004	0.0903	Background	No Exceedance
OR13D	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/19/25	9	0	CB around T-S line	-0.0575	2.0	Standard	No Exceedance
OR13D	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460	Background	No Exceedance
OR13D	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	1.71	2	Standard	No Exceedance
OR13D	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760	Background	No Exceedance
OR13D	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	40.9	200	Standard	No Exceedance
OR13D	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.004	0.140	Background	No Exceedance
OR13D	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.002	0.0790	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OR13D	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/19/25	9	22	CI around mean	0.249	4.0	Standard	No Exceedance
OR13D	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.001	0.0710	Background	No Exceedance
OR13D	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.0256	0.140	Background	No Exceedance
OR13D	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OR13D	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.00732	0.1	Standard	No Exceedance
OR13D	CGMS	E001	pH (field)	SU	01/12/23 - 08/19/25	12	0	CI around mean	6.6/7.2	6.0/9.0	Background/Standard	No Exceedance
OR13D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/19/25	9	0	CI around geomean	0.541	5	Standard	No Exceedance
OR13D	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.001	0.05	Standard	No Exceedance
OR13D	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/19/25	9	0	CI around median	280	2,300	Background	No Exceedance
OR13D	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OR13D	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	964	4,200	Background	No Exceedance
OR14D	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/21/25	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
OR14D	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/21/25	9	0	CI around geomean	0.00215	0.0903	Background	No Exceedance
OR14D	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/21/25	9	0	CI around geomean	0.021	2.0	Standard	No Exceedance
OR14D	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.001	0.00460	Background	No Exceedance
OR14D	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	13.1	2	Standard	Exceedance
OR14D	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.001	0.00760	Background	No Exceedance
OR14D	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	225	200	Standard	Exceedance
OR14D	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/21/25	9	56	CI around median	0.004	0.140	Background	No Exceedance
OR14D	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/21/25	9	67	CI around median	0.002	0.0790	Background	No Exceedance
OR14D	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/21/25	9	44	CI around mean	0.249	4.0	Standard	No Exceedance
OR14D	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/21/25	9	44	CI around geomean	0.000904	0.0710	Background	No Exceedance
OR14D	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/21/25	9	11	CI around mean	0.0106	0.140	Background	No Exceedance
OR14D	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.0002	0.002	Standard	No Exceedance
OR14D	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	0.00357	0.1	Standard	No Exceedance
OR14D	CGMS	E001	pH (field)	SU	01/12/23 - 08/21/25	12	0	CI around mean	6.6/7.1	6.0/9.0	Background/Standard	No Exceedance
OR14D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/21/25	9	0	CI around mean	0.361	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

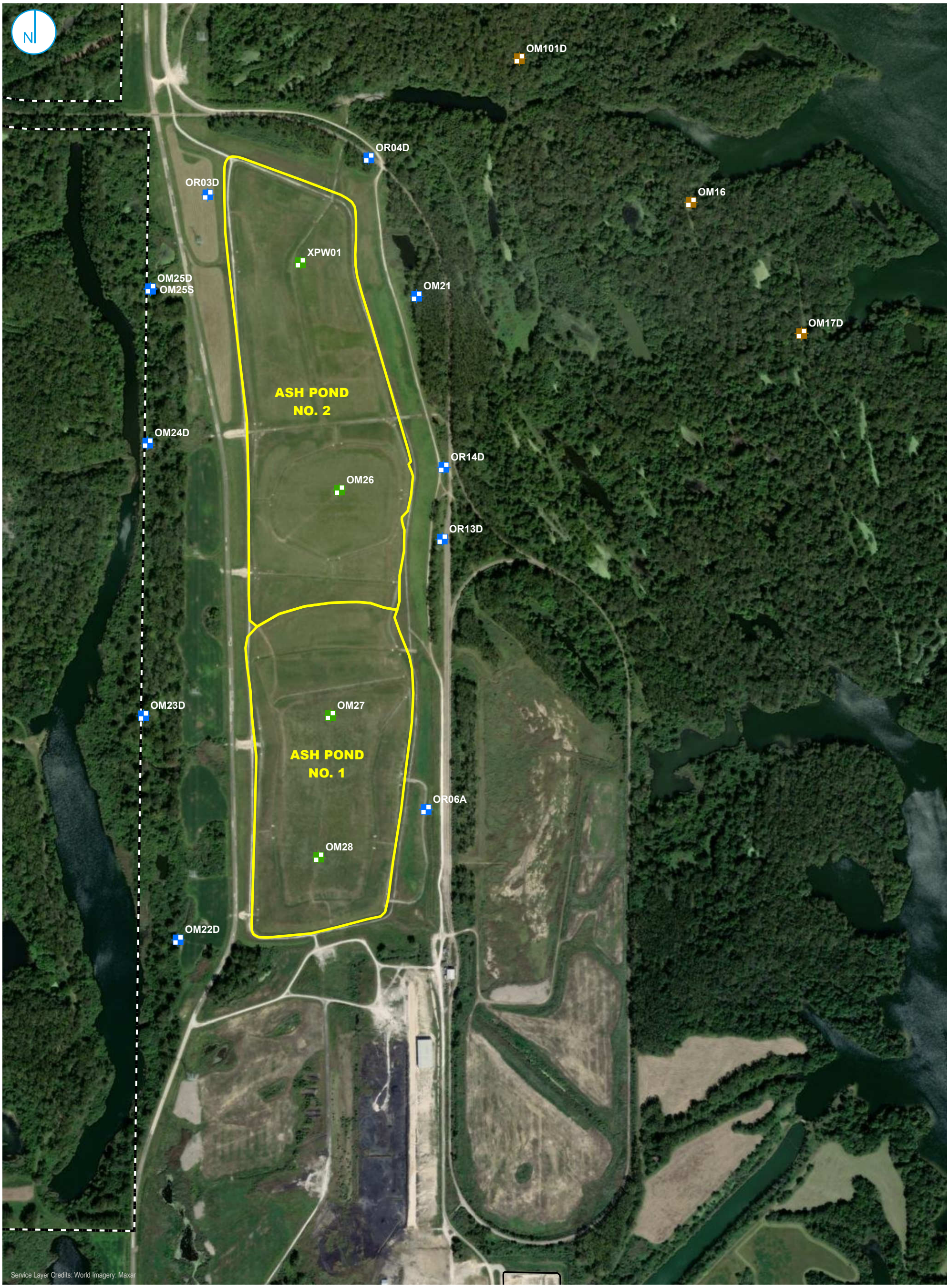
Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OR14D	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.001	0.05	Standard	No Exceedance
OR14D	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	651	2,300	Background	No Exceedance
OR14D	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/21/25	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
OR14D	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	1,930	4,200	Background	No Exceedance

Notes:
Compliance Result:
No Exceedance: the statistical result did not exceed the GWPS.
Exceedance: The statistical result exceeded the GWPS.

Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) as part of Illinois Power Resources Generating, LLC's (IPRG's) operating permit application for the Ash Pond No. 1 and Ash Pond No. 2. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPRG has not identified any actual exceedances.

Events:
E001 = Quarter 3, 2025 sampling event
HSU = hydrostratigraphic unit:
CGMS = Coarse-Grained Mine Spoils
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 linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data.
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
For pH, the values presented are the lower / upper limits
GWPS Source:
Background = background concentration
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

FIGURES



COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL
PORE WATER WELL

REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
PROPERTY BOUNDARY

MONITORING WELL LOCATION MAP

FIGURE 1

0 325 650 Feet

35 I.A.C. § 845.610(b)(3)(D) GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES REPORT QUARTER 3, 2025
ASH POND NO. 1 AND ASH POND NO. 2
DUCK CREEK POWER PLANT
CANTON, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2025

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
OM101D	Background	08/18/2025	21.25	579.47
OM16	Background	08/18/2025	29.47	579.43
OM17D	Background	08/18/2025	19.43	573.18
OM21	Compliance	08/18/2025	12.82	593.48
OM22D	Compliance	08/18/2025	20.45	578.30
OM23D	Compliance	08/18/2025	38.60	574.47
OM24D	Compliance	08/18/2025	5.86	570.97
OM25S	Compliance	08/18/2025	28.50	600.40
OM25D	Compliance	08/18/2025	28.29	600.60
OM26	Water Level	08/18/2025	32.54	628.30
OM27	Water Level	08/18/2025	34.50	618.00
OM28	Water Level	08/18/2025	49.58	617.64
OR03D	Compliance	08/18/2025	45.49	581.34
OR04D	Compliance	08/18/2025	22.06	585.35
OR06A	Compliance	08/18/2025	14.51	577.65
OR13D	Compliance	08/18/2025	14.76	587.62
OR14D	Compliance	08/18/2025	11.87	587.29
XPW01	Water Level	08/18/2025	15.30	613.25

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM[1] = Depth to water was not measured.
DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
DM[3] = Depth to water was not measured because the location was inaccessible.
DM[4] = Depth to water was not measured because water level was below the top of the pump.
DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
DM[6] = Depth to water was not measured because of damage to the well.
DM[7] = Depth to water was not measured due to required pressure transducer maintenance.
DM[8] = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 3, 2025

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

September 03, 2025

Daryl Johnson
Vistra - Duck Creek
17751 North Cilco Road
Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings
Project Manager

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH03719-01
Name: OM21
Matrix: Ground Water - Grab

Sampled: 08/19/25 11:15
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	230	mg/L	Q4	08/20/25 17:24	50	50	08/20/25 17:24	JSM	EPA 300.0 REV 2.1
Sulfate	1200	mg/L	Q3	08/20/25 17:41	250	250	08/20/25 17:41	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	12.87	Feet		08/19/25 11:15	1		08/19/25 11:15	FIELD	Field*
Dissolved oxygen, Field	0.40	mg/L		08/19/25 11:15	1		08/19/25 11:15	FIELD	Field*
Oxidation Reduction Potential	-21.0	mV		08/19/25 11:15	1	-500	08/19/25 11:15	FIELD	Field*
pH, Field Measured	6.79	pH Units		08/19/25 11:15	1		08/19/25 11:15	FIELD	Field*
Specific Conductance, Field Measured	3362	umhos/cm		08/19/25 11:15	1		08/19/25 11:15	FIELD	Field*
Temperature, Field Measured	14.2	°C		08/19/25 11:15	1		08/19/25 11:15	FIELD	Field*
Turbidity, Field Measured	18.7	NTU		08/19/25 11:15	1	0.00	08/19/25 11:15	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	620	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:11	1	0.250	08/28/25 15:11	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2400	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/21/25 08:53	5	3.0	08/21/25 16:11	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Barium	14	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Boron	8900	ug/L	Q4	08/21/25 08:53	20	40	08/25/25 10:42	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Calcium	320	mg/L	Q4	08/21/25 08:53	5	0.20	08/21/25 16:11	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/21/25 08:53	5	4.0	08/21/25 16:11	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/21/25 08:53	5	2.0	08/21/25 16:11	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Magnesium	150	mg/L	Q4	08/21/25 08:53	5	0.10	08/21/25 16:11	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/21/25 08:53	5	0.20	08/25/25 11:44	TJJ	EPA 6020A
Molybdenum	1.9	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Potassium	11	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:11	TJJ	EPA 6020A

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH03719-01
Name: OM21
Matrix: Ground Water - Grab

Sampled: 08/19/25 11:15
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Sodium	290	mg/L	B2	08/21/25 08:53	5	0.10	08/21/25 16:11	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:11	TJJ	EPA 6020A
Lithium	0.040	mg/L		08/21/25 08:53	1	0.020	08/22/25 13:04	TJJ	EPA 6010B

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH03719-02
Name: OM22D
Matrix: Ground Water - Grab

Sampled: 08/19/25 13:05
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	890	mg/L		08/20/25 19:24	250	250	08/20/25 19:24	JSM	EPA 300.0 REV 2.1
Sulfate	810	mg/L		08/20/25 19:24	250	250	08/20/25 19:24	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	20.54	Feet		08/19/25 13:05	1		08/19/25 13:05	FIELD	Field*
Dissolved oxygen, Field	0.39	mg/L		08/19/25 13:05	1		08/19/25 13:05	FIELD	Field*
Oxidation Reduction Potential	-216	mV		08/19/25 13:05	1	-500	08/19/25 13:05	FIELD	Field*
pH, Field Measured	6.67	pH Units		08/19/25 13:05	1		08/19/25 13:05	FIELD	Field*
Specific Conductance, Field Measured	4386	umhos/cm		08/19/25 13:05	1		08/19/25 13:05	FIELD	Field*
Temperature, Field Measured	17.1	°C		08/19/25 13:05	1		08/19/25 13:05	FIELD	Field*
Turbidity, Field Measured	39.6	NTU		08/19/25 13:05	1	0.00	08/19/25 13:05	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	310	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:15	1	0.250	08/28/25 15:15	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2900	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/21/25 08:53	5	3.0	08/21/25 16:15	TJJ	EPA 6020A
Arsenic	1.7	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Barium	15	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Boron	61000	ug/L		08/21/25 08:53	100	200	08/25/25 10:46	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Calcium	730	mg/L		08/21/25 08:53	100	4.0	08/25/25 10:46	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/21/25 08:53	5	4.0	08/21/25 16:15	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/21/25 08:53	5	2.0	08/21/25 16:15	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Magnesium	150	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:15	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/21/25 08:53	5	0.20	08/25/25 11:48	TJJ	EPA 6020A
Molybdenum	110	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Potassium	9.4	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:15	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH03719-02
Name: OM22D
Matrix: Ground Water - Grab

Sampled: 08/19/25 13:05
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Sodium	160	mg/L	B2	08/21/25 08:53	5	0.10	08/21/25 16:15	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:15	TJJ	EPA 6020A
Lithium	0.042	mg/L		08/21/25 08:53	1	0.020	08/22/25 13:07	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH03719-03
Name: OM23D
Matrix: Ground Water - Grab

Sampled: 08/19/25 15:03
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	28	mg/L		08/20/25 19:58	5	5.0	08/20/25 19:58	JSM	EPA 300.0 REV 2.1
Sulfate	400	mg/L		08/20/25 20:15	100	100	08/20/25 20:15	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	39.51	Feet		08/19/25 15:03	1		08/19/25 15:03	FIELD	Field*
Dissolved oxygen, Field	0.24	mg/L		08/19/25 15:03	1		08/19/25 15:03	FIELD	Field*
Oxidation Reduction Potential	-65.0	mV		08/19/25 15:03	1	-500	08/19/25 15:03	FIELD	Field*
pH, Field Measured	6.80	pH Units		08/19/25 15:03	1		08/19/25 15:03	FIELD	Field*
Specific Conductance, Field Measured	1764	umhos/cm		08/19/25 15:03	1		08/19/25 15:03	FIELD	Field*
Temperature, Field Measured	15.1	°C		08/19/25 15:03	1		08/19/25 15:03	FIELD	Field*
Turbidity, Field Measured	113	NTU		08/19/25 15:03	1	0.00	08/19/25 15:03	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	560	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:16	1	0.250	08/28/25 15:16	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	1100	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/21/25 08:53	5	3.0	08/21/25 16:19	TJJ	EPA 6020A
Arsenic	1.6	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Barium	33	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Boron	1800	ug/L		08/21/25 08:53	5	10	08/25/25 10:08	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Calcium	170	mg/L		08/21/25 08:53	5	0.20	08/21/25 16:19	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/21/25 08:53	5	4.0	08/21/25 16:19	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/21/25 08:53	5	2.0	08/21/25 16:19	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Magnesium	98	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:19	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/21/25 08:53	5	0.20	08/21/25 16:19	TJJ	EPA 6020A
Molybdenum	2.7	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Potassium	5.8	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:19	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH03719-03
Name: OM23D
Matrix: Ground Water - Grab

Sampled: 08/19/25 15:03
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Sodium	110	mg/L	B2	08/21/25 08:53	5	0.10	08/21/25 16:19	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:19	TJJ	EPA 6020A
Lithium	0.037	mg/L		08/21/25 08:53	1	0.020	08/22/25 13:08	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH03719-04
Name: OM24D
Matrix: Ground Water - Grab

Sampled: 08/19/25 14:06
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	440	mg/L		08/20/25 20:49	100	100	08/20/25 20:49	JSM	EPA 300.0 REV 2.1
Sulfate	890	mg/L		08/20/25 20:49	100	100	08/20/25 20:49	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	5.8	Feet		08/19/25 14:06	1		08/19/25 14:06	FIELD	Field*
Dissolved oxygen, Field	0.34	mg/L		08/19/25 14:06	1		08/19/25 14:06	FIELD	Field*
Oxidation Reduction Potential	-137	mV		08/19/25 14:06	1	-500	08/19/25 14:06	FIELD	Field*
pH, Field Measured	6.70	pH Units		08/19/25 14:06	1		08/19/25 14:06	FIELD	Field*
Specific Conductance, Field Measured	3189	umhos/cm		08/19/25 14:06	1		08/19/25 14:06	FIELD	Field*
Temperature, Field Measured	16.7	°C		08/19/25 14:06	1		08/19/25 14:06	FIELD	Field*
Turbidity, Field Measured	3.00	NTU		08/19/25 14:06	1	0.00	08/19/25 14:06	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	400	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:17	1	0.250	08/28/25 15:17	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2100	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/21/25 08:53	5	3.0	08/21/25 16:22	TJJ	EPA 6020A
Arsenic	6.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Barium	15	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Boron	23000	ug/L		08/21/25 08:53	100	200	08/25/25 10:49	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Calcium	410	mg/L		08/21/25 08:53	5	0.20	08/21/25 16:22	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/21/25 08:53	5	4.0	08/21/25 16:22	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/21/25 08:53	5	2.0	08/21/25 16:22	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Magnesium	140	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:22	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/21/25 08:53	5	0.20	08/21/25 16:22	TJJ	EPA 6020A
Molybdenum	3.9	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Potassium	4.1	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:22	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH03719-04
Name: OM24D
Matrix: Ground Water - Grab

Sampled: 08/19/25 14:06
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Sodium	110	mg/L	B2	08/21/25 08:53	5	0.10	08/21/25 16:22	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:22	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/21/25 08:53	1	0.020	08/22/25 13:09	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH03719-05
Name: EB # 1
Matrix: Ground Water - Grab

Sampled: 08/19/25 16:10
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	< 1.0	mg/L		08/20/25 21:06	1	1.0	08/20/25 21:06	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		08/20/25 21:06	1	0.250	08/20/25 21:06	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		08/20/25 21:06	1	1.0	08/20/25 21:06	JSM	EPA 300.0 REV 2.1
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	5.5	mg/L		08/22/25 11:24	1	2.0	08/22/25 11:24	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		08/22/25 11:24	1	2.0	08/22/25 11:24	CFM	SM 2320 B-2011*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	< 17	mg/L		08/22/25 09:25	1	17	08/25/25 12:02	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/21/25 08:53	5	3.0	08/21/25 16:37	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Barium	2.3	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Boron	28	ug/L		08/21/25 08:53	5	10	08/25/25 10:12	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Calcium	1.6	mg/L		08/21/25 08:53	5	0.20	08/21/25 16:37	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/21/25 08:53	5	4.0	08/21/25 16:37	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/21/25 08:53	5	2.0	08/21/25 16:37	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Magnesium	0.52	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:37	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/21/25 08:53	5	0.20	08/21/25 16:37	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Potassium	< 0.10	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:37	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Sodium	< 0.10	mg/L	B1	08/21/25 08:53	5	0.10	08/25/25 10:12	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:37	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/21/25 08:53	1	0.020	08/22/25 13:11	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH03719-06
Name: OR13D
Matrix: Ground Water - Grab

Sampled: 08/19/25 12:03
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	47	mg/L		08/20/25 22:15	10	10	08/20/25 22:15	JSM	EPA 300.0 REV 2.1
Sulfate	350	mg/L		08/20/25 22:32	50	50	08/20/25 22:32	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	14.81	Feet		08/19/25 12:03	1		08/19/25 12:03	FIELD	Field*
Dissolved oxygen, Field	3.3	mg/L		08/19/25 12:03	1		08/19/25 12:03	FIELD	Field*
Oxidation Reduction Potential	-54.0	mV		08/19/25 12:03	1	-500	08/19/25 12:03	FIELD	Field*
pH, Field Measured	6.90	pH Units		08/19/25 12:03	1		08/19/25 12:03	FIELD	Field*
Specific Conductance, Field Measured	1884	umhos/cm		08/19/25 12:03	1		08/19/25 12:03	FIELD	Field*
Temperature, Field Measured	15.3	°C		08/19/25 12:03	1		08/19/25 12:03	FIELD	Field*
Turbidity, Field Measured	20.8	NTU		08/19/25 12:03	1	0.00	08/19/25 12:03	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	690	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	0.261	mg/L		08/28/25 15:43	1	0.250	08/28/25 15:43	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	1200	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/21/25 08:53	5	3.0	08/21/25 16:41	TJJ	EPA 6020A
Arsenic	4.2	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Barium	29	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Boron	1900	ug/L		08/21/25 08:53	5	10	08/25/25 10:15	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Calcium	120	mg/L		08/21/25 08:53	5	0.20	08/21/25 16:41	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/21/25 08:53	5	4.0	08/21/25 16:41	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/21/25 08:53	5	2.0	08/21/25 16:41	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Magnesium	59	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:41	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/21/25 08:53	5	0.20	08/21/25 16:41	TJJ	EPA 6020A
Molybdenum	7.9	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Potassium	4.9	mg/L		08/21/25 08:53	5	0.10	08/21/25 16:41	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH03719-06
Name: OR13D
Matrix: Ground Water - Grab

Sampled: 08/19/25 12:03
Received: 08/19/25 16:15
PO #: 2649442

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Sodium	250	mg/L	B2	08/21/25 08:53	5	0.10	08/21/25 16:41	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/21/25 08:53	5	1.0	08/21/25 16:41	TJJ	EPA 6020A
Lithium	0.028	mg/L		08/21/25 08:53	1	0.020	08/22/25 13:14	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-01
Name: OM101D
Matrix: Ground Water - Grab

Sampled: 08/20/25 11:12
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	1.8	mg/L		08/25/25 15:20	1	1.0	08/25/25 15:20	JSM	EPA 300.0 REV 2.1
Sulfate	1100	mg/L	Q4	08/25/25 15:37	250	250	08/25/25 15:37	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	20.86	Feet		08/20/25 11:12	1		08/20/25 11:12	FIELD	Field*
Dissolved oxygen, Field	0.78	mg/L		08/20/25 11:12	1		08/20/25 11:12	FIELD	Field*
Oxidation Reduction Potential	37.6	mV		08/20/25 11:12	1	-500	08/20/25 11:12	FIELD	Field*
pH, Field Measured	6.63	pH Units		08/20/25 11:12	1		08/20/25 11:12	FIELD	Field*
Specific Conductance, Field Measured	2163	umhos/cm		08/20/25 11:12	1		08/20/25 11:12	FIELD	Field*
Temperature, Field Measured	14.6	°C		08/20/25 11:12	1		08/20/25 11:12	FIELD	Field*
Turbidity, Field Measured	6.80	NTU		08/20/25 11:12	1	0.00	08/20/25 11:12	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	440	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:31	1	0.250	08/28/25 15:31	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	1700	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 15:32	TJJ	EPA 6020A
Arsenic	2.5	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:32	TJJ	EPA 6020A
Barium	15	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:32	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/02/25 10:34	TJJ	EPA 6020A
Boron	120	ug/L		08/25/25 09:16	5	10	09/02/25 10:34	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:32	TJJ	EPA 6020A
Calcium	370	mg/L		08/25/25 09:16	5	0.20	08/27/25 15:32	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 15:32	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/25/25 09:16	5	2.0	08/27/25 15:32	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:32	TJJ	EPA 6020A
Magnesium	130	mg/L	Q4	08/25/25 09:16	5	0.10	08/27/25 15:32	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	09/02/25 10:34	TJJ	EPA 6020A
Molybdenum	2.2	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:32	TJJ	EPA 6020A
Potassium	2.4	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:32	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-01
Name: OM101D
Matrix: Ground Water - Grab

Sampled: 08/20/25 11:12
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:32	TJJ	EPA 6020A
Sodium	44	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:32	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/02/25 10:34	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/25/25 09:16	1	0.020	08/29/25 13:54	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-02
Name: OM16
Matrix: Ground Water - Grab

Sampled: 08/20/25 14:40
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	7.9	mg/L		08/25/25 16:28	1	1.0	08/25/25 16:28	JSM	EPA 300.0 REV 2.1
Sulfate	2300	mg/L		08/26/25 19:37	500	500	08/26/25 19:37	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	29.57	Feet		08/20/25 14:40	1		08/20/25 14:40	FIELD	Field*
Dissolved oxygen, Field	1.5	mg/L		08/20/25 14:40	1		08/20/25 14:40	FIELD	Field*
Oxidation Reduction Potential	81.9	mV		08/20/25 14:40	1	-500	08/20/25 14:40	FIELD	Field*
pH, Field Measured	6.40	pH Units		08/20/25 14:40	1		08/20/25 14:40	FIELD	Field*
Specific Conductance, Field Measured	4057	umhos/cm		08/20/25 14:40	1		08/20/25 14:40	FIELD	Field*
Temperature, Field Measured	20.3	°C		08/20/25 14:40	1		08/20/25 14:40	FIELD	Field*
Turbidity, Field Measured	148	NTU		08/20/25 14:40	1	0.00	08/20/25 14:40	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	760	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:18	1	0.250	08/28/25 15:18	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	3800	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 15:47	TJJ	EPA 6020A
Arsenic	1.1	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:47	TJJ	EPA 6020A
Barium	14	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:47	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 08:47	TJJ	EPA 6020A
Boron	38	ug/L		08/25/25 09:16	5	10	09/03/25 08:47	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:47	TJJ	EPA 6020A
Calcium	630	mg/L		08/25/25 09:16	20	0.80	09/02/25 11:28	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 15:47	TJJ	EPA 6020A
Cobalt	2.7	ug/L		08/25/25 09:16	5	2.0	08/27/25 15:47	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:47	TJJ	EPA 6020A
Magnesium	390	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:47	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 15:47	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:47	TJJ	EPA 6020A
Potassium	1.4	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:47	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-02
Name: OM16
Matrix: Ground Water - Grab

Sampled: 08/20/25 14:40
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:47	TJJ	EPA 6020A
Sodium	26	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:47	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 08:47	TJJ	EPA 6020A
Lithium	0.033	mg/L		08/25/25 09:16	1	0.020	08/29/25 13:58	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-03
Name: OM17D
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:30
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	4.4	mg/L		08/25/25 17:02	1	1.0	08/25/25 17:02	JSM	EPA 300.0 REV 2.1
Sulfate	880	mg/L		08/26/25 19:55	250	250	08/26/25 19:55	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	19.42	Feet		08/20/25 12:30	1		08/20/25 12:30	FIELD	Field*
Dissolved oxygen, Field	1.4	mg/L		08/20/25 12:30	1		08/20/25 12:30	FIELD	Field*
Oxidation Reduction Potential	42.2	mV		08/20/25 12:30	1	-500	08/20/25 12:30	FIELD	Field*
pH, Field Measured	6.67	pH Units		08/20/25 12:30	1		08/20/25 12:30	FIELD	Field*
Specific Conductance, Field Measured	2294	umhos/cm		08/20/25 12:30	1		08/20/25 12:30	FIELD	Field*
Temperature, Field Measured	16.0	°C		08/20/25 12:30	1		08/20/25 12:30	FIELD	Field*
Turbidity, Field Measured	11.5	NTU		08/20/25 12:30	1	0.00	08/20/25 12:30	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	700	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:20	1	0.250	08/28/25 15:20	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	1600	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 15:51	TJJ	EPA 6020A
Arsenic	4.8	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:51	TJJ	EPA 6020A
Barium	17	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:51	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/02/25 11:20	TJJ	EPA 6020A
Boron	260	ug/L		08/25/25 09:16	5	10	09/02/25 11:20	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:51	TJJ	EPA 6020A
Calcium	290	mg/L		08/25/25 09:16	5	0.20	08/27/25 15:51	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 15:51	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/25/25 09:16	5	2.0	08/27/25 15:51	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:51	TJJ	EPA 6020A
Magnesium	180	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:51	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 15:51	TJJ	EPA 6020A
Molybdenum	5.6	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:51	TJJ	EPA 6020A
Potassium	3.2	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:51	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-03
Name: OM17D
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:30
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:51	TJJ	EPA 6020A
Sodium	50	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:51	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/02/25 11:20	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/25/25 09:16	1	0.020	08/29/25 13:59	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-04
Name: OM25D
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:40
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	280	mg/L		08/25/25 18:28	100	100	08/25/25 18:28	JSM	EPA 300.0 REV 2.1
Sulfate	650	mg/L		08/25/25 18:28	100	100	08/25/25 18:28	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	58.32	Feet		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Dissolved oxygen, Field	1.3	mg/L		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Oxidation Reduction Potential	-42.0	mV		08/20/25 12:40	1	-500	08/20/25 12:40	FIELD	Field*
pH, Field Measured	6.67	pH Units		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Specific Conductance, Field Measured	3025	umhos/cm		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Temperature, Field Measured	19.3	°C		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Turbidity, Field Measured	>1000	NTU		08/20/25 12:40	1	0.00	08/20/25 12:40	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	480	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:21	1	0.250	08/28/25 15:21	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	1600	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 15:54	TJJ	EPA 6020A
Arsenic	4.8	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:54	TJJ	EPA 6020A
Barium	96	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:54	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 08:51	TJJ	EPA 6020A
Boron	3700	ug/L		08/25/25 09:16	5	10	09/03/25 08:51	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:54	TJJ	EPA 6020A
Calcium	260	mg/L		08/25/25 09:16	5	0.20	08/27/25 15:54	TJJ	EPA 6020A
Chromium	22	ug/L		08/25/25 09:16	5	4.0	08/27/25 15:54	TJJ	EPA 6020A
Cobalt	15	ug/L		08/25/25 09:16	5	2.0	08/27/25 15:54	TJJ	EPA 6020A
Lead	7.4	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:54	TJJ	EPA 6020A
Magnesium	180	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:54	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 15:54	TJJ	EPA 6020A
Molybdenum	2.2	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:54	TJJ	EPA 6020A
Potassium	12	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:54	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-04
Name: OM25D
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:40
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:54	TJJ	EPA 6020A
Sodium	120	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:54	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 08:51	TJJ	EPA 6020A
Lithium	0.069	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:00	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-05
Name: OM25S
Matrix: Ground Water - Grab

Sampled: 08/20/25 11:50
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	670	mg/L		08/25/25 19:02	100	100	08/25/25 19:02	JSM	EPA 300.0 REV 2.1
Sulfate	780	mg/L		08/25/25 19:02	100	100	08/25/25 19:02	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	58.48	Feet		08/20/25 11:50	1		08/20/25 11:50	FIELD	Field*
Dissolved oxygen, Field	1.9	mg/L		08/20/25 11:50	1		08/20/25 11:50	FIELD	Field*
Oxidation Reduction Potential	15.0	mV		08/20/25 11:50	1	-500	08/20/25 11:50	FIELD	Field*
pH, Field Measured	6.58	pH Units		08/20/25 11:50	1		08/20/25 11:50	FIELD	Field*
Specific Conductance, Field Measured	3659	umhos/cm		08/20/25 11:50	1		08/20/25 11:50	FIELD	Field*
Temperature, Field Measured	16.5	°C		08/20/25 11:50	1		08/20/25 11:50	FIELD	Field*
Turbidity, Field Measured	>1000	NTU		08/20/25 11:50	1	0.00	08/20/25 11:50	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	480	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:23	1	0.250	08/28/25 15:23	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2500	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 15:58	TJJ	EPA 6020A
Arsenic	6.9	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:58	TJJ	EPA 6020A
Barium	88	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:58	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:16	TJJ	EPA 6020A
Boron	32000	ug/L		08/25/25 09:16	100	200	09/02/25 11:35	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:58	TJJ	EPA 6020A
Calcium	410	mg/L		08/25/25 09:16	5	0.20	08/27/25 15:58	TJJ	EPA 6020A
Chromium	22	ug/L		08/25/25 09:16	5	4.0	08/27/25 15:58	TJJ	EPA 6020A
Cobalt	18	ug/L		08/25/25 09:16	5	2.0	08/27/25 15:58	TJJ	EPA 6020A
Lead	12	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:58	TJJ	EPA 6020A
Magnesium	240	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:58	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 15:58	TJJ	EPA 6020A
Molybdenum	4.4	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:58	TJJ	EPA 6020A
Potassium	11	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:58	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-05
Name: OM25S
Matrix: Ground Water - Grab

Sampled: 08/20/25 11:50
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 15:58	TJJ	EPA 6020A
Sodium	140	mg/L		08/25/25 09:16	5	0.10	08/27/25 15:58	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:16	TJJ	EPA 6020A
Lithium	0.077	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:01	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-06
Name: OR03D
Matrix: Ground Water - Grab

Sampled: 08/20/25 11:07
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	1500	mg/L		08/25/25 19:36	250	250	08/25/25 19:36	JSM	EPA 300.0 REV 2.1
Sulfate	740	mg/L		08/25/25 19:36	250	250	08/25/25 19:36	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	45.55	Feet		08/20/25 11:07	1		08/20/25 11:07	FIELD	Field*
Dissolved oxygen, Field	0.87	mg/L		08/20/25 11:07	1		08/20/25 11:07	FIELD	Field*
Oxidation Reduction Potential	-54.0	mV		08/20/25 11:07	1	-500	08/20/25 11:07	FIELD	Field*
pH, Field Measured	6.52	pH Units		08/20/25 11:07	1		08/20/25 11:07	FIELD	Field*
Specific Conductance, Field Measured	5701	umhos/cm		08/20/25 11:07	1		08/20/25 11:07	FIELD	Field*
Temperature, Field Measured	16.0	°C		08/20/25 11:07	1		08/20/25 11:07	FIELD	Field*
Turbidity, Field Measured	912	NTU		08/20/25 11:07	1	0.00	08/20/25 11:07	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	390	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:28	1	0.250	08/28/25 15:28	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	3600	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:02	TJJ	EPA 6020A
Arsenic	4.5	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:02	TJJ	EPA 6020A
Barium	60	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:02	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:20	TJJ	EPA 6020A
Boron	60000	ug/L		08/25/25 09:16	100	200	09/02/25 11:38	TJJ	EPA 6020A
Cadmium	4.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:02	TJJ	EPA 6020A
Calcium	640	mg/L		08/25/25 09:16	100	4.0	09/02/25 11:38	TJJ	EPA 6020A
Chromium	14	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:02	TJJ	EPA 6020A
Cobalt	5.2	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:02	TJJ	EPA 6020A
Lead	4.6	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:02	TJJ	EPA 6020A
Magnesium	310	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:02	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:02	TJJ	EPA 6020A
Molybdenum	5.7	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:02	TJJ	EPA 6020A
Potassium	12	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:02	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-06
Name: OR03D
Matrix: Ground Water - Grab

Sampled: 08/20/25 11:07
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:02	TJJ	EPA 6020A
Sodium	190	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:02	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:20	TJJ	EPA 6020A
Lithium	0.050	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:02	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-07
Name: EB #2
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:50
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	< 1.0	mg/L		08/25/25 19:53	1	1.0	08/25/25 19:53	JSM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		08/25/25 19:53	1	0.250	08/25/25 19:53	JSM	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		08/25/25 19:53	1	1.0	08/25/25 19:53	JSM	EPA 300.0 REV 2.1
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	6.5	mg/L		08/22/25 11:24	1	2.0	08/22/25 11:24	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		08/22/25 11:24	1	2.0	08/22/25 11:24	CFM	SM 2320 B-2011*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	< 17	mg/L		08/22/25 09:25	1	17	08/25/25 12:02	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:06	TJJ	EPA 6020A
Arsenic	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:06	TJJ	EPA 6020A
Barium	10	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:06	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/02/25 11:24	TJJ	EPA 6020A
Boron	19	ug/L		08/25/25 09:16	5	10	09/02/25 11:24	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:06	TJJ	EPA 6020A
Calcium	2.6	mg/L		08/25/25 09:16	5	0.20	08/27/25 16:06	TJJ	EPA 6020A
Chromium	12	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:06	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:06	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:06	TJJ	EPA 6020A
Magnesium	1.6	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:06	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:06	TJJ	EPA 6020A
Molybdenum	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:06	TJJ	EPA 6020A
Potassium	0.59	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:06	TJJ	EPA 6020A
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:06	TJJ	EPA 6020A
Sodium	0.25	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:06	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/02/25 11:24	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:03	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04124-08
Name: OM25D DUP
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:40
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	280	mg/L		08/25/25 20:27	100	100	08/25/25 20:27	JSM	EPA 300.0 REV 2.1
Sulfate	650	mg/L		08/25/25 20:27	100	100	08/25/25 20:27	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	58.32	Feet		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Dissolved oxygen, Field	1.3	mg/L		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Oxidation Reduction Potential	-42.0	mV		08/20/25 12:40	1	-500	08/20/25 12:40	FIELD	Field*
pH, Field Measured	6.67	pH Units		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Specific Conductance, Field Measured	3025	umhos/cm		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Temperature, Field Measured	19.3	°C		08/20/25 12:40	1		08/20/25 12:40	FIELD	Field*
Turbidity, Field Measured	>1000	NTU		08/20/25 12:40	1	0.00	08/20/25 12:40	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	500	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/22/25 08:58	1	10	08/22/25 08:58	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:30	1	0.250	08/28/25 15:30	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	1700	mg/L		08/22/25 09:25	1	26	08/25/25 00:00	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:09	TJJ	EPA 6020A
Arsenic	4.8	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:09	TJJ	EPA 6020A
Barium	96	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:09	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 08:55	TJJ	EPA 6020A
Boron	3800	ug/L		08/25/25 09:16	5	10	09/03/25 08:55	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:09	TJJ	EPA 6020A
Calcium	250	mg/L		08/25/25 09:16	5	0.20	08/27/25 16:09	TJJ	EPA 6020A
Chromium	22	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:09	TJJ	EPA 6020A
Cobalt	15	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:09	TJJ	EPA 6020A
Lead	7.4	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:09	TJJ	EPA 6020A
Magnesium	180	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:09	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:09	TJJ	EPA 6020A
Molybdenum	2.2	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:09	TJJ	EPA 6020A
Potassium	11	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:09	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04124-08
Name: OM25D DUP
Matrix: Ground Water - Grab

Sampled: 08/20/25 12:40
Received: 08/20/25 14:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:09	TJJ	EPA 6020A
Sodium	120	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:09	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 08:55	TJJ	EPA 6020A
Lithium	0.072	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:04	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04376-01
Name: OR04D
Matrix: Ground Water - Grab

Sampled: 08/21/25 11:40
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	460	mg/L	Q4	08/27/25 21:38	250	250	08/27/25 21:38	JSM	EPA 300.0 REV 2.1
Sulfate	810	mg/L	Q4	08/27/25 21:38	250	250	08/27/25 21:38	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	22.06	Feet		08/21/25 11:40	1		08/21/25 11:40	FIELD	Field*
Dissolved oxygen, Field	1.3	mg/L		08/21/25 11:40	1		08/21/25 11:40	FIELD	Field*
Oxidation Reduction Potential	23.0	mV		08/21/25 11:40	1	-500	08/21/25 11:40	FIELD	Field*
pH, Field Measured	7.98	pH Units		08/21/25 11:40	1		08/21/25 11:40	FIELD	Field*
Specific Conductance, Field Measured	223.0	umhos/cm		08/21/25 11:40	1		08/21/25 11:40	FIELD	Field*
Temperature, Field Measured	15.4	°C		08/21/25 11:40	1		08/21/25 11:40	FIELD	Field*
Turbidity, Field Measured	20.2	NTU		08/21/25 11:40	1	0.00	08/21/25 11:40	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	390	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:38	1	0.250	08/28/25 15:38	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2200	mg/L		08/26/25 09:25	1	26	08/26/25 12:06	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:13	TJJ	EPA 6020A
Arsenic	1.6	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:13	TJJ	EPA 6020A
Barium	57	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:13	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:24	TJJ	EPA 6020A
Boron	26000	ug/L		08/25/25 09:16	100	200	09/02/25 12:13	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:13	TJJ	EPA 6020A
Calcium	370	mg/L		08/25/25 09:16	5	0.20	08/27/25 16:13	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:13	TJJ	EPA 6020A
Cobalt	2.5	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:13	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:13	TJJ	EPA 6020A
Magnesium	180	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:13	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:13	TJJ	EPA 6020A
Molybdenum	3.5	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:13	TJJ	EPA 6020A
Potassium	9.6	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:13	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04376-01
Name: OR04D
Matrix: Ground Water - Grab

Sampled: 08/21/25 11:40
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:13	TJJ	EPA 6020A
Sodium	98	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:13	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:24	TJJ	EPA 6020A
Lithium	0.085	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:08	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04376-02
Name: OR06A
Matrix: Ground Water - Grab

Sampled: 08/21/25 11:34
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	530	mg/L		08/27/25 23:26	250	250	08/27/25 23:26	JSM	EPA 300.0 REV 2.1
Sulfate	750	mg/L		08/27/25 23:26	250	250	08/27/25 23:26	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	14.61	Feet		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Dissolved oxygen, Field	1.1	mg/L		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Oxidation Reduction Potential	7.60	mV		08/21/25 11:34	1	-500	08/21/25 11:34	FIELD	Field*
pH, Field Measured	6.67	pH Units		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Specific Conductance, Field Measured	3216	umhos/cm		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Temperature, Field Measured	15.0	°C		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Turbidity, Field Measured	84.7	NTU		08/21/25 11:34	1	0.00	08/21/25 11:34	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	360	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:35	1	0.250	08/28/25 15:35	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2400	mg/L	M	08/26/25 09:25	1	26	08/26/25 12:06	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:17	TJJ	EPA 6020A
Arsenic	9.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:17	TJJ	EPA 6020A
Barium	24	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:17	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:28	TJJ	EPA 6020A
Boron	69000	ug/L		08/25/25 09:16	100	200	09/02/25 12:17	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:17	TJJ	EPA 6020A
Calcium	450	mg/L		08/25/25 09:16	5	0.20	08/27/25 16:17	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:17	TJJ	EPA 6020A
Cobalt	2.1	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:17	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:17	TJJ	EPA 6020A
Magnesium	120	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:17	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:17	TJJ	EPA 6020A
Molybdenum	80	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:17	TJJ	EPA 6020A
Potassium	3.5	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:17	TJJ	EPA 6020A

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Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH04376-02
Name: OR06A
Matrix: Ground Water - Grab

Sampled: 08/21/25 11:34
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:17	TJJ	EPA 6020A
Sodium	89	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:17	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:28	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:09	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04376-03
Name: OR14D
Matrix: Ground Water - Grab

Sampled: 08/21/25 12:30
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	610	mg/L		08/28/25 00:03	100	100	08/28/25 00:03	JSM	EPA 300.0 REV 2.1
Sulfate	740	mg/L		08/28/25 00:03	100	100	08/28/25 00:03	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	11.8	Feet		08/21/25 12:30	1		08/21/25 12:30	FIELD	Field*
Dissolved oxygen, Field	0.0	mg/L		08/21/25 12:30	1		08/21/25 12:30	FIELD	Field*
Oxidation Reduction Potential	-91.3	mV		08/21/25 12:30	1	-500	08/21/25 12:30	FIELD	Field*
pH, Field Measured	6.55	pH Units		08/21/25 12:30	1		08/21/25 12:30	FIELD	Field*
Specific Conductance, Field Measured	3453	umhos/cm		08/21/25 12:30	1		08/21/25 12:30	FIELD	Field*
Temperature, Field Measured	13.8	°C		08/21/25 12:30	1		08/21/25 12:30	FIELD	Field*
Turbidity, Field Measured	86.2	NTU		08/21/25 12:30	1	0.00	08/21/25 12:30	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	380	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:36	1	0.250	08/28/25 15:36	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2400	mg/L		08/26/25 09:25	1	26	08/26/25 12:06	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:20	TJJ	EPA 6020A
Arsenic	3.2	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:20	TJJ	EPA 6020A
Barium	29	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:20	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:35	TJJ	EPA 6020A
Boron	34000	ug/L		08/25/25 09:16	100	200	09/02/25 12:21	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:20	TJJ	EPA 6020A
Calcium	480	mg/L		08/25/25 09:16	5	0.20	08/27/25 16:20	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:20	TJJ	EPA 6020A
Cobalt	< 2.0	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:20	TJJ	EPA 6020A
Lead	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:20	TJJ	EPA 6020A
Magnesium	150	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:20	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:20	TJJ	EPA 6020A
Molybdenum	6.4	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:20	TJJ	EPA 6020A
Potassium	5.3	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:20	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04376-03
Name: OR14D
Matrix: Ground Water - Grab

Sampled: 08/21/25 12:30
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:20	TJJ	EPA 6020A
Sodium	82	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:20	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:35	TJJ	EPA 6020A
Lithium	0.029	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:10	TJJ	EPA 6010B

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ANALYTICAL RESULTS

Sample: IH04376-04
Name: OR06A Dup
Matrix: Ground Water - Grab

Sampled: 08/21/25 11:34
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	530	mg/L		08/28/25 00:39	250	250	08/28/25 00:39	JSM	EPA 300.0 REV 2.1
Sulfate	760	mg/L		08/28/25 00:39	250	250	08/28/25 00:39	JSM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	14.61	Feet		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Dissolved oxygen, Field	1.1	mg/L		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Oxidation Reduction Potential	7.60	mV		08/21/25 11:34	1	-500	08/21/25 11:34	FIELD	Field*
pH, Field Measured	6.67	pH Units		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Specific Conductance, Field Measured	3216	umhos/cm		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Temperature, Field Measured	15.0	°C		08/21/25 11:34	1		08/21/25 11:34	FIELD	Field*
Turbidity, Field Measured	84.7	NTU		08/21/25 11:34	1	0.00	08/21/25 11:34	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	340	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/26/25 10:00	1	10	08/26/25 10:00	CFM	SM 2320 B-2011*
Fluoride	< 0.250	mg/L		08/28/25 15:37	1	0.250	08/28/25 15:37	CRD	SM 4500-F C-2011
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	2400	mg/L		08/26/25 09:25	1	26	08/26/25 12:06	ENH	SM 2540 C-2011
Total Metals - PIA									
Antimony	< 3.0	ug/L		08/25/25 09:16	5	3.0	08/27/25 16:35	TJJ	EPA 6020A
Arsenic	9.3	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:35	TJJ	EPA 6020A
Barium	32	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:35	TJJ	EPA 6020A
Beryllium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:39	TJJ	EPA 6020A
Boron	70000	ug/L		08/25/25 09:16	100	200	09/02/25 12:24	TJJ	EPA 6020A
Cadmium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:35	TJJ	EPA 6020A
Calcium	460	mg/L		08/25/25 09:16	5	0.20	08/27/25 16:35	TJJ	EPA 6020A
Chromium	< 4.0	ug/L		08/25/25 09:16	5	4.0	08/27/25 16:35	TJJ	EPA 6020A
Cobalt	2.8	ug/L		08/25/25 09:16	5	2.0	08/27/25 16:35	TJJ	EPA 6020A
Lead	1.9	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:35	TJJ	EPA 6020A
Magnesium	120	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:35	TJJ	EPA 6020A
Mercury	< 0.20	ug/L		08/25/25 09:16	5	0.20	08/27/25 16:35	TJJ	EPA 6020A
Molybdenum	78	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:35	TJJ	EPA 6020A
Potassium	3.7	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:35	TJJ	EPA 6020A

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ANALYTICAL RESULTS

Sample: IH04376-04
Name: OR06A Dup
Matrix: Ground Water - Grab
Sampled: 08/21/25 11:34
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Selenium	< 1.0	ug/L		08/25/25 09:16	5	1.0	08/27/25 16:35	TJJ	EPA 6020A
Sodium	89	mg/L		08/25/25 09:16	5	0.10	08/27/25 16:35	TJJ	EPA 6020A
Thallium	< 1.0	ug/L		08/25/25 09:16	5	1.0	09/03/25 10:39	TJJ	EPA 6020A
Lithium	< 0.020	mg/L		08/25/25 09:16	1	0.020	08/29/25 14:11	TJJ	EPA 6010B

Sample: IH04376-05
Name: OM26
Matrix: Ground Water - Grab
Sampled: 08/18/25 12:30
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Depth, From Measuring Point	32.54	Feet		08/18/25 12:30	1		08/18/25 12:30	FIELD	Field*

Sample: IH04376-06
Name: OM27
Matrix: Ground Water - Grab
Sampled: 08/18/25 12:25
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Depth, From Measuring Point	34.5	Feet		08/18/25 12:25	1		08/18/25 12:25	FIELD	Field*

Sample: IH04376-07
Name: OM28
Matrix: Ground Water - Grab
Sampled: 08/18/25 12:23
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Depth, From Measuring Point	49.58	Feet		08/18/25 12:23	1		08/18/25 12:23	FIELD	Field*

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ANALYTICAL RESULTS

Sample: IH04376-08
Name: XPW01
Matrix: Ground Water - Grab

Sampled: 08/18/25 12:42
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
Depth, From Measuring Point	15.3	Feet		08/18/25 12:42	1		08/18/25 12:42	FIELD	Field*

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B540901 - SW 3015 - EPA 6010B									
Blank (B540901-BLK1)				Prepared: 08/21/25 Analyzed: 08/22/25					
Lithium	< 0.020	mg/L							
LCS (B540901-BS1)				Prepared: 08/21/25 Analyzed: 08/22/25					
Lithium	0.493	mg/L		0.5556		89	80-120		
Matrix Spike (B540901-MS1)	**Sample: IH03719-01**			Prepared: 08/21/25 Analyzed: 08/22/25					
Lithium	0.527	mg/L		0.5556	0.0401	88	75-125		
Matrix Spike Dup (B540901-MSD1)	**Sample: IH03719-01**			Prepared: 08/21/25 Analyzed: 08/22/25					
Lithium	0.534	mg/L		0.5556	0.0401	89	75-125	1	20
Batch B540901 - SW 3015 - EPA 6020A									
Blank (B540901-BLK1)				Prepared & Analyzed: 08/21/25					
Antimony	< 3.0	ug/L							
Arsenic	< 1.0	ug/L							
Barium	< 1.0	ug/L							
Beryllium	< 1.0	ug/L							
Boron	< 10	ug/L							
Cadmium	< 1.0	ug/L							
Calcium	< 0.20	mg/L							
Chromium	< 4.0	ug/L							
Cobalt	< 2.0	ug/L							
Lead	< 1.0	ug/L							
Magnesium	< 0.10	mg/L							
Mercury	< 0.20	ug/L							
Molybdenum	< 1.0	ug/L							
Potassium	< 0.10	mg/L							
Selenium	< 1.0	ug/L							
Sodium	0.189	mg/L	B2						
Thallium	< 1.0	ug/L							
LCS (B540901-BS1)				Prepared & Analyzed: 08/21/25					
Antimony	554	ug/L		555.6		100	80-120		
Arsenic	544	ug/L		555.6		98	80-120		
Barium	563	ug/L		555.6		101	80-120		
Beryllium	524	ug/L		555.6		94	80-120		
Boron	570	ug/L		555.6		103	80-120		
Cadmium	556	ug/L		555.6		100	80-120		
Calcium	5.74	mg/L		5.556		103	80-120		
Chromium	575	ug/L		555.6		104	80-120		
Cobalt	578	ug/L		555.6		104	80-120		
Lead	541	ug/L		555.6		97	80-120		
Magnesium	5.72	mg/L		5.556		103	80-120		
Mercury	56.9	ug/L		55.56		102	80-120		
Molybdenum	554	ug/L		555.6		100	80-120		
Potassium	5.73	mg/L		5.556		103	80-120		
Selenium	542	ug/L		555.6		98	80-120		
Sodium	5.51	mg/L		5.556		99	80-120		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B540901-BS1)				Prepared & Analyzed: 08/21/25					
Thallium	548	ug/L		555.6		99	80-120		
Matrix Spike (B540901-MS1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/21/25					
Antimony	552	ug/L		555.6	1.46	99	75-125		
Arsenic	546	ug/L		555.6	ND	98	75-125		
Barium	564	ug/L		555.6	14.5	99	75-125		
Beryllium	508	ug/L		555.6	ND	92	75-125		
Boron	9160	ug/L	Q4	555.6	8860	54	75-125		
Cadmium	541	ug/L		555.6	ND	97	75-125		
Calcium	316	mg/L	Q4	5.556	315	13	75-125		
Chromium	565	ug/L		555.6	ND	102	75-125		
Cobalt	555	ug/L		555.6	ND	100	75-125		
Lead	514	ug/L		555.6	0.306	93	75-125		
Magnesium	151	mg/L	Q4	5.556	152	NR	75-125		
Mercury	60.5	ug/L		55.56	ND	109	75-125		
Molybdenum	564	ug/L		555.6	1.89	101	75-125		
Potassium	16.3	mg/L		5.556	11.1	95	75-125		
Selenium	548	ug/L		555.6	ND	99	75-125		
Sodium	288	mg/L		5.556	294	NR	75-125		
Thallium	523	ug/L		555.6	ND	94	75-125		
Matrix Spike Dup (B540901-MSD1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/21/25					
Antimony	518	ug/L		555.6	1.46	93	75-125	6	20
Arsenic	540	ug/L		555.6	ND	97	75-125	1	20
Barium	533	ug/L		555.6	14.5	93	75-125	6	20
Beryllium	480	ug/L		555.6	ND	86	75-125	6	20
Boron	8870	ug/L	Q4	555.6	8860	3	75-125	3	20
Cadmium	540	ug/L		555.6	ND	97	75-125	0.1	20
Calcium	318	mg/L	Q4	5.556	315	54	75-125	0.7	20
Chromium	562	ug/L		555.6	ND	101	75-125	0.6	20
Cobalt	556	ug/L		555.6	ND	100	75-125	0.2	20
Lead	484	ug/L		555.6	0.306	87	75-125	6	20
Magnesium	152	mg/L	Q4	5.556	152	NR	75-125	0.2	20
Mercury	57.1	ug/L		55.56	ND	103	75-125	6	20
Molybdenum	565	ug/L		555.6	1.89	101	75-125	0.3	20
Potassium	16.4	mg/L		5.556	11.1	97	75-125	0.6	20
Selenium	550	ug/L		555.6	ND	99	75-125	0.3	20
Sodium	291	mg/L		5.556	294	NR	75-125	1	20
Thallium	485	ug/L		555.6	ND	87	75-125	7	20

Batch B540923 - IC No Prep - EPA 300.0 REV 2.1

Calibration Blank (B540923-CCB1)				Prepared & Analyzed: 08/20/25					
Chloride	0.00	mg/L							
Fluoride	0.00	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B540923-CCV1)				Prepared & Analyzed: 08/20/25					
Sulfate	5.20	mg/L		5.000		104	90-110		
Fluoride	5.32	mg/L		5.000		106	90-110		
Chloride	5.04	mg/L		5.000		101	90-110		

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B540923-MS1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/20/25					
Sulfate	1.00E9	mg/L	Q4	1.500	1210	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	230	NR	80-120		
Fluoride	2.58	mg/L	Q1	1.500		172	80-120		
Matrix Spike Dup (B540923-MSD1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/20/25					
Fluoride	2.57	mg/L	Q2	1.500		172	80-120	0.3	20
Chloride	1.0E9	mg/L	Q4	1.500	230	NR	80-120	0	20
Sulfate	1.00E9	mg/L	Q4	1.500	1210	NR	80-120	0	20
Batch B541024 - No Prep - SM 2320 B-2011									
Duplicate (B541024-DUP1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/22/25					
Alkalinity - bicarbonate as CaCO3	638	mg/L			625			2	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B541024-DUP2)	**Sample: IH04124-01**			Prepared & Analyzed: 08/22/25					
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	475	mg/L			438			8	10
Batch B541025 - No Prep - SM 2320 B-2011									
Blank (B541025-BLK1)				Prepared & Analyzed: 08/22/25					
Alkalinity - carbonate as CaCO3	< 2.0	mg/L							
Alkalinity - bicarbonate as CaCO3	< 2.0	mg/L							
Batch B541034 - No Prep - SM 2540 C-2011									
Blank (B541034-BLK1)				Prepared: 08/22/25 Analyzed: 08/25/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B541034-BS1)				Prepared: 08/22/25 Analyzed: 08/25/25					
Solids - total dissolved solids (TDS)	920	mg/L		1000		92	84.5-105		
Duplicate (B541034-DUP1)	**Sample: IH03719-01**			Prepared: 08/22/25 Analyzed: 08/25/25					
Solids - total dissolved solids (TDS)	2460	mg/L			2400			3	5
Duplicate (B541034-DUP2)	**Sample: IH04124-01**			Prepared: 08/22/25 Analyzed: 08/25/25					
Solids - total dissolved solids (TDS)	1800	mg/L			1740			4	5
Batch B541148 - No Prep - SM 2540 C-2011									
Blank (B541148-BLK1)				Prepared & Analyzed: 08/25/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B541148-BS1)				Prepared & Analyzed: 08/25/25					
Solids - total dissolved solids (TDS)	937	mg/L		1000		94	84.5-105		
Batch B541167 - SW 3015 - EPA 6010B									
Blank (B541167-BLK1)				Prepared: 08/25/25 Analyzed: 08/29/25					
Lithium	< 0.020	mg/L							
LCS (B541167-BS1)				Prepared: 08/25/25 Analyzed: 08/29/25					
Lithium	0.539	mg/L		0.5556		97	80-120		
Matrix Spike (B541167-MS1)	**Sample: IH04124-01**			Prepared: 08/25/25 Analyzed: 08/29/25					
Lithium	0.528	mg/L		0.5556	ND	95	75-125		
Matrix Spike Dup (B541167-MSD1)	**Sample: IH04124-01**			Prepared: 08/25/25 Analyzed: 08/29/25					
Lithium	0.530	mg/L		0.5556	ND	95	75-125	0.4	20

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B541167 - SW 3015 - EPA 6020A									
Blank (B541167-BLK1)				Prepared: 08/25/25 Analyzed: 08/27/25					
Antimony	< 3.0	ug/L							
Arsenic	< 1.0	ug/L							
Barium	< 1.0	ug/L							
Beryllium	< 1.0	ug/L							
Boron	< 10	ug/L							
Cadmium	< 1.0	ug/L							
Calcium	< 0.20	mg/L							
Chromium	< 4.0	ug/L							
Cobalt	< 2.0	ug/L							
Lead	< 1.0	ug/L							
Magnesium	< 0.10	mg/L							
Mercury	< 0.20	ug/L							
Molybdenum	< 1.0	ug/L							
Potassium	< 0.10	mg/L							
Selenium	< 1.0	ug/L							
Sodium	< 0.10	mg/L							
Thallium	< 1.0	ug/L							
LCS (B541167-BS1)				Prepared: 08/25/25 Analyzed: 08/27/25					
Antimony	524	ug/L		555.6		94	80-120		
Arsenic	536	ug/L		555.6		97	80-120		
Barium	528	ug/L		555.6		95	80-120		
Beryllium	552	ug/L		555.6		99	80-120		
Boron	543	ug/L		555.6		98	80-120		
Cadmium	526	ug/L		555.6		95	80-120		
Calcium	5.69	mg/L		5.556		103	80-120		
Chromium	560	ug/L		555.6		101	80-120		
Cobalt	545	ug/L		555.6		98	80-120		
Lead	588	ug/L		555.6		106	80-120		
Magnesium	6.22	mg/L		5.556		112	80-120		
Mercury	57.4	ug/L		55.56		103	80-120		
Molybdenum	528	ug/L		555.6		95	80-120		
Potassium	5.98	mg/L		5.556		108	80-120		
Selenium	539	ug/L		555.6		97	80-120		
Sodium	5.90	mg/L		5.556		106	80-120		
Thallium	597	ug/L		555.6		108	80-120		
Matrix Spike (B541167-MS1)	**Sample: IH04124-01**			Prepared: 08/25/25 Analyzed: 08/27/25					
Antimony	516	ug/L		555.6	0.839	93	75-125		
Arsenic	550	ug/L		555.6	2.47	99	75-125		
Barium	540	ug/L		555.6	15.5	94	75-125		
Beryllium	520	ug/L		555.6	ND	94	75-125		
Boron	631	ug/L		555.6	125	91	75-125		
Cadmium	520	ug/L		555.6	ND	94	75-125		
Calcium	376	mg/L		5.556	370	108	75-125		
Chromium	545	ug/L		555.6	ND	98	75-125		
Cobalt	531	ug/L		555.6	0.517	96	75-125		

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B541167-MS1)	**Sample: IH04124-01**			Prepared: 08/25/25 Analyzed: 08/27/25					
Lead	563	ug/L		555.6	ND	101	75-125		
Magnesium	134	mg/L	Q4	5.556	131	47	75-125		
Mercury	59.2	ug/L		55.56	ND	107	75-125		
Molybdenum	544	ug/L		555.6	2.20	97	75-125		
Potassium	8.06	mg/L		5.556	2.42	102	75-125		
Selenium	544	ug/L		555.6	ND	98	75-125		
Sodium	48.5	mg/L		5.556	44.2	77	75-125		
Thallium	588	ug/L		555.6	ND	106	75-125		
Matrix Spike Dup (B541167-MSD1)	**Sample: IH04124-01**			Prepared: 08/25/25 Analyzed: 08/27/25					
Antimony	518	ug/L		555.6	0.839	93	75-125	0.5	20
Arsenic	548	ug/L		555.6	2.47	98	75-125	0.3	20
Barium	539	ug/L		555.6	15.5	94	75-125	0.3	20
Beryllium	527	ug/L		555.6	ND	95	75-125	1	20
Boron	641	ug/L		555.6	125	93	75-125	2	20
Cadmium	521	ug/L		555.6	ND	94	75-125	0.3	20
Calcium	377	mg/L		5.556	370	120	75-125	0.2	20
Chromium	546	ug/L		555.6	ND	98	75-125	0.2	20
Cobalt	535	ug/L		555.6	0.517	96	75-125	0.7	20
Lead	564	ug/L		555.6	ND	102	75-125	0.1	20
Magnesium	135	mg/L	Q4	5.556	131	59	75-125	0.5	20
Mercury	59.5	ug/L		55.56	ND	107	75-125	0.4	20
Molybdenum	546	ug/L		555.6	2.20	98	75-125	0.5	20
Potassium	8.05	mg/L		5.556	2.42	101	75-125	0.1	20
Selenium	546	ug/L		555.6	ND	98	75-125	0.4	20
Sodium	48.6	mg/L		5.556	44.2	79	75-125	0.3	20
Thallium	579	ug/L		555.6	ND	104	75-125	1	20
Batch B541287 - No Prep - SM 2320 B-2011									
Duplicate (B541287-DUP1)	**Sample: IH04376-01**			Prepared & Analyzed: 08/26/25					
Alkalinity - bicarbonate as CaCO3	400	mg/L			388			3	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Batch B541306 - No Prep - SM 2540 C-2011									
Blank (B541306-BLK1)				Prepared & Analyzed: 08/26/25					
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B541306-BS1)				Prepared & Analyzed: 08/26/25					
Solids - total dissolved solids (TDS)	860	mg/L		1000		86	84.5-105		
Duplicate (B541306-DUP1)	**Sample: IH04376-01**			Prepared & Analyzed: 08/26/25					
Solids - total dissolved solids (TDS)	2100	mg/L			2200			5	5
Duplicate (B541306-DUP2)	**Sample: IH04376-02**			Prepared & Analyzed: 08/26/25					
Solids - total dissolved solids (TDS)	2240	mg/L	M		2370			5	5
Batch B541335 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B541335-BLK1)				Prepared & Analyzed: 08/25/25					
Chloride	< 1.0	mg/L							
Fluoride	< 0.250	mg/L							
Sulfate	< 1.0	mg/L							

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2231 W. Altorfer Drive
Peoria, IL 61615
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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Blank (B541335-CCB1)				Prepared & Analyzed: 08/25/25					
Chloride	0.00	mg/L							
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Calibration Check (B541335-CCV1)				Prepared & Analyzed: 08/25/25					
Sulfate	5.29	mg/L		5.000		106	90-110		
Fluoride	5.42	mg/L		5.000		108	90-110		
Chloride	5.10	mg/L		5.000		102	90-110		
Matrix Spike (B541335-MS1)	**Sample: IH04124-01**			Prepared & Analyzed: 08/25/25					
Chloride	3.4	mg/L		1.500	1.8	103	80-120		
Sulfate	< 1.0	mg/L	Q4	1.500	1140	NR	80-120		
Matrix Spike Dup (B541335-MSD1)	**Sample: IH04124-01**			Prepared & Analyzed: 08/25/25					
Chloride	3.3	mg/L		1.500	1.8	101	80-120	0.7	20
Sulfate	< 1.0	mg/L	Q4	1.500	1140	NR	80-120		20
Batch B541428 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B541428-BLK1)				Prepared & Analyzed: 08/26/25					
Sulfate	< 1.0	mg/L							
Calibration Blank (B541428-CCB1)				Prepared & Analyzed: 08/26/25					
Sulfate	0.00	mg/L							
Calibration Check (B541428-CCV1)				Prepared & Analyzed: 08/26/25					
Sulfate	4.94	mg/L		5.000		99	90-110		
Batch B541537 - IC No Prep - EPA 300.0 REV 2.1									
Blank (B541537-BLK1)				Prepared & Analyzed: 08/27/25					
Sulfate	< 1.0	mg/L							
Chloride	< 1.0	mg/L							
Calibration Blank (B541537-CCB1)				Prepared & Analyzed: 08/27/25					
Chloride	0.462	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B541537-CCV1)				Prepared & Analyzed: 08/27/25					
Chloride	4.76	mg/L		5.000		95	90-110		
Sulfate	4.95	mg/L		5.000		99	90-110		
Matrix Spike (B541537-MS1)	**Sample: IH04376-01**			Prepared & Analyzed: 08/27/25					
Chloride	1.0E9	mg/L	Q4	1.500	460	NR	80-120		
Sulfate	< 1.0	mg/L	Q4	1.500	806	NR	80-120		
Matrix Spike Dup (B541537-MSD1)	**Sample: IH04376-01**			Prepared & Analyzed: 08/27/25					
Chloride	1.0E9	mg/L	Q4	1.500	460	NR	80-120	0	20
Sulfate	< 1.0	mg/L	Q4	1.500	806	NR	80-120		20
Batch B541604 - No Prep - SM 4500-F C-2011									
Calibration Blank (B541604-CCB1)				Prepared & Analyzed: 08/28/25					
Fluoride	0.0160	mg/L							
Calibration Blank (B541604-CCB2)				Prepared & Analyzed: 08/28/25					
Fluoride	0.0150	mg/L							
Calibration Check (B541604-CCV1)				Prepared & Analyzed: 08/28/25					
Fluoride	0.659	mg/L		0.7000		94	90-110		
Calibration Check (B541604-CCV2)				Prepared & Analyzed: 08/28/25					

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Peoria, IL 61615
(800)752-6651

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Check (B541604-CCV2)				Prepared & Analyzed: 08/28/25					
Fluoride	0.667	mg/L		0.7000		95	90-110		
Matrix Spike (B541604-MS1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/28/25					
Fluoride	1.26	mg/L		1.000	0.222	104	80-120		
Matrix Spike (B541604-MS2)	**Sample: IH04124-01**			Prepared & Analyzed: 08/28/25					
Fluoride	1.18	mg/L		1.000	ND	118	80-120		
Matrix Spike (B541604-MS3)	**Sample: IH04376-01**			Prepared & Analyzed: 08/28/25					
Fluoride	1.08	mg/L		1.000	ND	108	80-120		
Matrix Spike Dup (B541604-MSD1)	**Sample: IH03719-01**			Prepared & Analyzed: 08/28/25					
Fluoride	1.25	mg/L		1.000	0.222	103	80-120	0.7	20
Matrix Spike Dup (B541604-MSD2)	**Sample: IH04124-01**			Prepared & Analyzed: 08/28/25					
Fluoride	1.17	mg/L		1.000	ND	117	80-120	0.9	20
Matrix Spike Dup (B541604-MSD3)	**Sample: IH04376-01**			Prepared & Analyzed: 08/28/25					
Fluoride	1.08	mg/L		1.000	ND	108	80-120	0.2	20

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

B1	Blank contamination suspected and the sample result is less than Method Reporting Limit.
B2	Contamination does not impact data since sample result is greater than ten times the contamination level found in the blank.
M	Analyte failed to meet the required acceptance criteria for duplicate analysis.
Q1	Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q2	Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q3	Matrix Spike/Matrix Spike Duplicate both failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Q4	The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Certified by: Diane Billings, Project Manager

JH03719

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OM101D															X		
2	OM16															X		
3	OM17D															X		
4	OM21	GW	G	08/19/25	11:15		4	X		X						X		
5	OM22D	GW	G	08/19/25	13:05		4	X		X						X		
6	OM23D	GW	G	08/19/25	15:03		4	X		X						X		
7	OM24D	GW	G	08/19/25	14:06		4	X		X						X		
8	OM25D															X		
9	OM25S															X		
10	OM26															X		
11	OM27															X		
12	OM28															X		
13	OR03D															X		
14	OR04D															X		
15	OR06A															X		
16	OR13D	GW	G	08/19/25	12:03		4	X		X						X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Andy Wolstein	08/19/25	16:15	Sarah Smith	8/19/25	1615	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Wolstein

SIGNATURE of SAMPLER: Andy Wolstein

DATE Signed (MM/DD/YY): 08/19/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

IR Gun # 19 Correction Factor (Deg C) 0

Observed Temp (Deg C) 4.2 Corrected Temp (Deg C) 4.2

Delivery Method: FedEx UPS Walk-in USPS Other

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OR14D															X		
2	XPW01															X		
3	Field Blank																	
4	Equipment Blank #1 8/19/25	DI	G	08/19/25	16:10		4	X		X								filled after OM23D
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
DC-25Q3R Rev 0	Andy Weteska	08/19/25	16:15	Sarah Butler	8/19/25	1615

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Weteska

SIGNATURE of SAMPLER: Andy Weteska

DATE Signed (MM/DD/YY): 08/19/25

1H04124

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson; Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OM101D	GW	G	8/20/25	1112		4	X		X							X		
2	OM16	GW	G	8/20/25	1440		4	X		X							X		
3	OM17D	GW	G	8/20/25	1230		4	X		X							X		
4	OM21																X		
5	OM22D																X		
6	OM23D																X		
7	OM24D																X		
8	OM25D	GW	G	08/20/25	12:40		4	X		X							X		Field dup/EB 2 Filled here
9	OM25S	GW	G	08/20/25	11:50		4	X		X							X		
10	OM26																X		
11	OM27																X		
12	OM28																X		
13	OR03D	GW	G	08/20/25	11:07		4	X		X							X		
14	OR04D																X		
15	OR06A																X		
16	OR13D																X		

Cooler # 18 Correction Factor 7.2
Observed Temp (°C) 3.9 Corrected Temp (°C) 4.1
Delivery Method: Fedex UPS Courier Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	[signature]	08/20/25		[signature]	8/20/25	1945	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Netevska

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/20/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

1H04124

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OR14D																X		
2	XPW01																X		
3	Field Blank																		
4	EB #2	DI	G	08/20/25	12:50		4	X		X									Filled @ OM25D
5	OM25D - Dup	GW	G	08/20/25	12:40		4	X		X									
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun # 18 Correction Factor (Deg C) 7.2
Observed Temp (Deg C) 3.8 Corrected Temp (Deg C) 4.1
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Andy Wetoska	08/20/25			8/20/25	1445	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Wetoska

SIGNATURE of SAMPLER: Andy Wetoska DATE Signed (MM/DD/YY): 08/20/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Vista Work Order #: 1H04124 Completed by / Date: ND 8/8/25

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☑N/A	
Chain of Custody (CoC) Present:	☑Yes ☐No	
CoC is Legible:	☑Yes ☐No	
Sampler Name Present on COC:	☑Yes ☐No	
Sampler Signature Present on CoC:	☑Yes ☐No	
Sample Collection Date Present on CoC:	☑Yes ☐No	
Sample Collection Time Present on CoC:	☑Yes ☐No	
CoC Relinquished by Client:	☑Yes ☐No	
Unique Sample ID's Present on CoC:	☑Yes ☐No	
CoC and Sample Container Labels Match:	☑Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☑Yes ☐No ☐N/A ☑Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☑Yes ☐No ☐N/A	
Container(s) Received Intact:	☑Yes ☐No	
Containers Received Labeled and Labels are Legible:	☑Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☑Yes ☐No	
Sufficient Sample Volume Received:	☑Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☑N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☑N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials *If headspace is present, note sample ID and # of vials	☐Yes ☐No ☑N/A	
All (Non-Field) Analysis Received Within Hold Times:	☑Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☑No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

DC#_Title: ENV-FRM-PEOR-0005 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: 1H04124 INITIALS: NS

Plastic Bottles	-1 X8	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1									
P, U, 250ml										
P, U, 500ml - Total	1									
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total	1									
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	1									
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml $MeCl_2$										
A, G, 500ml H_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_4										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1H04376

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OM101D																X		
2	OM16																X		
3	OM17D																X		
4	OM21																X		
5	OM22D																X		
6	OM23D																X		
7	OM24D																X		
8	OM25D																X		
9	OM25S																X		
10	OM26																X		
11	OM27																X		
12	OM28																X		
13	OR03D																X		
14	OR04D	WT	G	8/21/25	1140		4	X		X							X		
15	OR06A	WT	G	8/21/25	1134		4	X		X							X		
16	OR13D																X		

IR Gun # 17 Correction Factor (Deg C) -.2
Observed Temp (Deg C) 4.1 Corrected Temp (Deg C) 3.9
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Johannan	8/21/25	1344				
					8/21/25	1344	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Jordan Bohannan		
SIGNATURE of SAMPLER:	Johannan	DATE Signed (MM/DD/YY):	08/21/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

1H04376

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson; Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OR14D	WT	G	8/21/25	1230		4	X		X							X		
2	XPW01																X		
3	Field Blank																		
4	OR06A-~~Field~~ Dup 8/21/25	WT	G	8/21/25	1134		4	X		X							X		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

Requested Analysis Filtered (Y/N)

IR Gun # 17 Correction Factor (Deg C) -.2
Observed Temp (Deg C) 4.1 Corrected Temp (Deg C) 3.9
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	JBohannan	8/21/25	1344		8/21/25	1344	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jordan Bohannan
SIGNATURE of SAMPLER: JBohannan DATE Signed (MM/DD/YY): 08/21/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Duck Creek Work Order #: IH04376 Completed by / Date: NJ 8/2/25

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☑N/A	
Chain of Custody (CoC) Present:	☑Yes ☐No	
CoC is Legible:	☑Yes ☐No	
Sampler Name Present on COC:	☑Yes ☐No	
Sampler Signature Present on CoC:	☑Yes ☐No	
Sample Collection Date Present on CoC:	☑Yes ☐No	
Sample Collection Time Present on CoC:	☑Yes ☐No	
CoC Relinquished by Client:	☑Yes ☐No	
Unique Sample ID's Present on CoC:	☑Yes ☐No	
CoC and Sample Container Labels Match:	☑Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☑Yes ☐No ☐N/A ☑Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☑Yes ☐No ☐N/A	
Container(s) Received Intact:	☑Yes ☐No	
Containers Received Labeled and Labels are Legible:	☑Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☑Yes ☐No	
Sufficient Sample Volume Received:	☑Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☑N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☑N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials *If headspace is present, note sample ID and # of vials	☐Yes ☐No ☑N/A	
All (Non-Field) Analysis Received Within Hold Times:	☑Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☑No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

DC# Title: ENV-FRM-PEOR-0003 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: I104376 INITIALS: ND

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1	1	1	1						
P, U, 250ml										
P, U, 500ml - Total	1	1	1	1						
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total	1	1	1	1						
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3										
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml $MeCl_2$										
A, G, 500ml H_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_4										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

September 24, 2025

Daryl Johnson
Vistra - Duck Creek
17751 North Cilco Road
Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings
Project Manager

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH03737-01 **Sampled:** 08/19/25 11:15
Name: OM21 **Received:** 08/19/25 16:15
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.03	pCi/L			1	0.919	09/03/25 17:25	PACE	904.0 903.0

Sample: IH03737-02 **Sampled:** 08/19/25 13:05
Name: OM22D **Received:** 08/19/25 16:15
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.02	pCi/L			1	0.912	09/07/25 22:22	PACE	904.0 903.0

Sample: IH03737-03 **Sampled:** 08/19/25 15:03
Name: OM23D **Received:** 08/19/25 16:15
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.33	pCi/L			1	0.914	09/07/25 22:22	PACE	904.0 903.0

Sample: IH03737-04 **Sampled:** 08/19/25 14:06
Name: OM24D **Received:** 08/19/25 16:15
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.804 J	pCi/L			1	0.999	09/07/25 22:22	PACE	904.0 903.0

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH03737-05 **Sampled:** 08/19/25 16:10
Name: EB #1 **Received:** 08/19/25 16:15
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.727 J	pCi/L			1	0.828	09/07/25 22:22	PACE	904.0 903.0

Sample: IH03737-06 **Sampled:** 08/19/25 12:03
Name: OR13D **Received:** 08/19/25 16:15
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.78	pCi/L			1	0.819	09/07/25 22:22	PACE	904.0 903.0

Sample: IH04131-01 **Sampled:** 08/20/25 11:12
Name: OM101D **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.42	pCi/L			1	0.9	08/29/25 23:19	PACE	904.0 903.0

Sample: IH04131-02 **Sampled:** 08/20/25 14:40
Name: OM16 **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.06	pCi/L			1	0.78	08/29/25 23:19	PACE	904.0 903.0

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH04131-03 **Sampled:** 08/20/25 12:30
Name: OM17D **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.26	pCi/L			1	0.86	08/29/25 23:19	PACE	904.0 903.0

Sample: IH04131-04 **Sampled:** 08/20/25 12:40
Name: OM25D **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	4.71	pCi/L			1	1.45	08/29/25 23:19	PACE	904.0 903.0

Sample: IH04131-05 **Sampled:** 08/20/25 11:50
Name: OM25S **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	6.29	pCi/L			1	1.26	08/29/25 23:19	PACE	904.0 903.0

Sample: IH04131-06 **Sampled:** 08/20/25 11:07
Name: OR03D **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	2.72	pCi/L			1	0.729	08/29/25 23:19	PACE	904.0 903.0

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH04131-07 **Sampled:** 08/20/25 12:50
Name: EB #2 **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	1.92	pCi/L			1	0.793	08/29/25 23:19	PACE	904.0 903.0

Sample: IH04131-08 **Sampled:** 08/20/25 12:40
Name: OM25D DUP **Received:** 08/20/25 14:45
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	3.25	pCi/L			1	1.16	08/29/25 23:19	PACE	904.0 903.0

Sample: IH04409-01 **Sampled:** 08/21/25 11:40
Name: OR04D **Received:** 08/21/25 13:44
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.324 U	pCi/L			1	0.825	09/03/25 22:47	PACE	904.0 903.0

Sample: IH04409-02 **Sampled:** 08/21/25 11:34
Name: OR06A **Received:** 08/21/25 13:44
Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.377 U	pCi/L			1	0.98	09/03/25 22:47	PACE	904.0 903.0

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

ANALYTICAL RESULTS

Sample: IH04409-03
Name: OR14D
Matrix: Ground Water - Grab

Sampled: 08/21/25 12:30
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.908	pCi/L			1	0.735	09/03/25 22:47	PACE	904.0 903.0

Sample: IH04409-04
Name: OR06A Dup
Matrix: Ground Water - Grab

Sampled: 08/21/25 11:34
Received: 08/21/25 13:44

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - Pace Analytical - Mt Juliet, Tn									
Rad 226 and 228-Subcontract	0.703 J	pCi/L			1	0.704	09/03/25 22:47	PACE	904.0 903.0

Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Diane Billings, Project Manager

ANALYTICAL REPORT

September 10, 2025

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Pace IR - Peoria, IL

Sample Delivery Group:	L1891685
Samples Received:	08/23/2025
Project Number:	IH03737
Description:	
Site:	01
Report To:	Diane Billings 2231 W. Altorfer Drive Peoria, IL 61615

Entire Report Reviewed By:

Ashley N Pullium
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

SAMPLE SUMMARY

IH03737-01 L1891685-01

Collected by	Collected date/time	Received date/time
	08/19/25 11:15	08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2590776	1	09/01/25 09:57	09/03/25 17:25	ALG	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2590513	1	08/29/25 09:10	09/03/25 17:25	ZRG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2590513	1	08/29/25 09:10	08/31/25 12:00	ZRG	Mt. Juliet, TN

IH03737-02 L1891685-02

Collected by	Collected date/time	Received date/time
	08/19/25 13:05	08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2590513	1	08/29/25 09:10	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2590513	1	08/29/25 09:10	08/31/25 12:00	ZRG	Mt. Juliet, TN

IH03737-03 L1891685-03

Collected by	Collected date/time	Received date/time
	08/19/25 15:03	08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2590513	1	08/29/25 09:10	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2590513	1	08/29/25 09:10	08/31/25 12:00	ZRG	Mt. Juliet, TN

IH03737-04 L1891685-04

Collected by	Collected date/time	Received date/time
	08/19/25 14:06	08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2590513	1	08/29/25 09:10	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2590513	1	08/29/25 09:10	08/31/25 12:01	ZRG	Mt. Juliet, TN

IH03737-05 L1891685-05

Collected by	Collected date/time	Received date/time
	08/19/25 16:10	08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2590513	1	08/29/25 09:10	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2590513	1	08/29/25 09:10	08/31/25 12:01	ZRG	Mt. Juliet, TN

IH03737-06 L1891685-06

Collected by	Collected date/time	Received date/time
	08/19/25 12:03	08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2590513	1	08/29/25 09:10	09/07/25 22:22	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2590513	1	08/29/25 09:10	08/31/25 12:01	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Ashley N Pullium
Project Manager

IH03737-01 SAMPLE RESULTS - 01

Collected date/time: 08/19/25 11:15 L1891685

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.854		0.503	0.546	0.802	0.260	09/03/2025 17:25	WG2590776
(T) Barium	*113*					*30.0-143*	*09/03/2025 17:25*	WG2590776
(T) Yttrium	*105*					*30.0-136*	*09/03/2025 17:25*	WG2590776

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.03		0.585	0.919	09/03/2025 17:25	WG2590513

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.176	J	0.298	0.361	0.448	0.159	08/31/2025 12:00	WG2590513
(T) Barium-133	*89.8*					*30.0-143*	*08/31/2025 12:00*	WG2590513

IH03737-02 SAMPLE RESULTS - 02

Collected date/time: 08/19/25 13:05 L1891685

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.897		0.525	0.567	0.848	0.260	09/07/2025 22:22	WG2591689
(T) Barium	*119*					*30.0-143*	*09/07/2025 22:22*	WG2591689
(T) Yttrium	*88.3*					*30.0-136*	*09/07/2025 22:22*	WG2591689

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.02		0.567	0.912	09/07/2025 22:22	WG2590513

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.124	J	0.215	0.263	0.336	0.106	08/31/2025 12:00	WG2590513
(T) Barium-133	*92.5*					*30.0-143*	*08/31/2025 12:00*	WG2590513

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.570	J	0.496	0.531	0.823	0.253	09/07/2025 22:22	WG2591689
(T) Barium	*114*					*30.0-143*	*09/07/2025 22:22*	WG2591689
(T) Yttrium	*110*					*30.0-136*	*09/07/2025 22:22*	WG2591689

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.33		0.762	0.914	09/07/2025 22:22	WG2590513

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.77		0.579	0.741	0.398	0.135	08/31/2025 12:00	WG2590513
(T) Barium-133	*101*					*30.0-143*	*08/31/2025 12:00*	WG2590513

IH03737-04 SAMPLE RESULTS - 04

Collected date/time: 08/19/25 14:06 L1891685

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.557	J	0.570	0.605	0.954	0.294	09/07/2025 22:22	WG2591689
(T) Barium	*106*					*30.0-143*	*09/07/2025 22:22*	WG2591689
(T) Yttrium	*93.5*					*30.0-136*	*09/07/2025 22:22*	WG2591689

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.804	J	0.620	0.999	09/07/2025 22:22	WG2590513

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.247	J	0.243	0.326	0.296	0.0769	08/31/2025 12:01	WG2590513
(T) Barium-133	*66.1*					*30.0-143*	*08/31/2025 12:01*	WG2590513

IH03737-05 SAMPLE RESULTS - 05

Collected date/time: 08/19/25 16:10 L1891685

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.679	J	0.481	0.520	0.788	0.241	09/07/2025 22:22	WG2591689
(T) Barium	*121*					*30.0-143*	*09/07/2025 22:22*	WG2591689
(T) Yttrium	*104*					*30.0-136*	*09/07/2025 22:22*	WG2591689

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.727	J	0.499	0.828	09/07/2025 22:22	WG2590513

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0488	U	0.133	0.164	0.253	0.0657	08/31/2025 12:01	WG2590513
(T) Barium-133	*91.9*					*30.0-143*	*08/31/2025 12:01*	WG2590513

IH03737-06 SAMPLE RESULTS - 06

Collected date/time: 08/19/25 12:03 L1891685

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.874		0.494	0.538	0.795	0.244	09/07/2025 22:22	WG2591689
(T) Barium	*109*					*30.0-143*	*09/07/2025 22:22*	WG2591689
(T) Yttrium	*99.9*					*30.0-136*	*09/07/2025 22:22*	WG2591689

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.78		0.607	0.819	09/07/2025 22:22	WG2590513

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.904		0.353	0.493	0.198	0.0479	08/31/2025 12:01	WG2590513
(T) Barium-133	*84.6*					*30.0-143*	*08/31/2025 12:01*	WG2590513

WG2590776 QUALITY CONTROL SUMMARY

Radiochemistry by Method 9320 L1891685-01

Method Blank (MB)

(MB) R4268993-1 09/03/25 17:25

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0534	U	0.271	0.484	0.158
(T) Barium	*99.9*		*99.9*		
(T) Yttrium	*94.6*		*94.6*		

L1891610-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891610-01 09/03/25 17:25 • (DUP) R4268993-5 09/03/25 17:25

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.446	0.657	1.11	0.368	1.00	0.666	1.09	0.358	76.7	0.593	J	20	3
(T) Barium	*126*				*110*	*110*							
(T) Yttrium	*96.1*				*113*	*113*							

Laboratory Control Sample (LCS)

(LCS) R4268993-2 09/03/25 17:25

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.31	106	80.0-120	
(T) Barium			*109*		
(T) Yttrium			*103*		

L1893537-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1893537-27 09/03/25 17:25 • (MS) R4268993-3 09/03/25 17:25 • (MSD) R4268993-4 09/03/25 17:25

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	0.594	17.0	19.5	98.1	113	1	70.0-130			13.9		20
(T) Barium		*126*			*99.6*	*96.8*							
(T) Yttrium		*93.5*			*97.9*	*93.9*							

QUALITY CONTROL SUMMARY

Radiochemistry by Method 9204/9320 L1891685-02,03,04,05,06

Method Blank (MB)

(MB) R4270797-1 09/07/25 22:22

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.459	J	0.316	0.515	0.157
(T) Barium	*108*		*108*		
(T) Yttrium	*95.0*		*95.0*		

L1891685-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1891685-02 09/07/25 22:22 • (DUP) R4270797-4 09/07/25 22:22

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.897	0.525	0.848	0.260	1.47	0.726	1.16	0.355	48.3	0.637		20	3
(T) Barium	*119*				*125*	*125*							
(T) Yttrium	*88.3*				*102*	*102*							

Laboratory Control Sample (LCS)

(LCS) R4270797-2 09/07/25 22:22

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.45	109	80.0-120	
(T) Barium			*106*		
(T) Yttrium			*100*		

L1893913-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1893913-03 09/07/25 22:22 • (MS) R4270797-5 09/07/25 23:12 • (MSD) R4270797-3 09/07/25 22:22

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.758	10.4	12.0	96.4	112	1	70.0-130			14.3		20
(T) Barium		*122*			*125*	*125*							
(T) Yttrium		*102*			*102*	*95.7*							

Method Blank (MB)

(MB) R4270681-1 08/31/25 12:00

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00345	U	0.0693	0.144	0.0463
(T) Barium-133	*56.6*		*56.6*		

L1891685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891685-01 08/31/25 12:00 • (DUP) R4270681-5 08/31/25 12:00

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.176	0.298	0.448	0.159	0.419	0.339	0.398	0.128	81.9	0.540		20	3
(T) Barium-133	*89.8*				*81.5*	*81.5*							

Laboratory Control Sample (LCS)

(LCS) R4270681-2 08/31/25 12:00

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.46	109	80.0-120	
(T) Barium-133			*71.1*		

L1891721-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891721-23 08/31/25 12:01 • (MS) R4270681-3 08/31/25 12:00 • (MSD) R4270681-4 08/31/25 12:00

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.257	22.0	23.9	109	118	1	75.0-125			8.14		20
(T) Barium-133		*96.7*			*94.3*	*88.9*							

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IH03737

B039

23

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

L1891685

Sample: IH03737-01
Name: OM21

Sampled: 08/19/25 11:15
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/02/25 16:00	02/15/26 11:15	MS/MSD

Sample: IH03737-02
Name: OM22D

Sampled: 08/19/25 13:05
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/02/25 16:00	02/15/26 13:05	

Sample: IH03737-03
Name: OM23D

Sampled: 08/19/25 15:03
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/02/25 16:00	02/15/26 15:03	

Sample: IH03737-04
Name: OM24D

Sampled: 08/19/25 14:06
Matrix: Ground Water
Preservative: HNO3, pH <2

-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/02/25 16:00	02/15/26 14:06	

Sample: IH03737-05
Name: EB # 1

Sampled: 08/19/25 16:10
Matrix: Ground Water
Preservative: HNO3, pH <2

-05

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/02/25 16:00	02/15/26 16:10	

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IH03737

24

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

L891165

Sample: IH03737-06
Name: OR13D

Sampled: 08/19/25 12:03
Matrix: Ground Water
Preservative: HNO3, pH <2

-06

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/02/25 16:00	02/15/26 12:03	

Sample Receipt Checklist AMB

COC Seal Present/Intact:	✓Y __N __NP	If Applicable	
COC Signed/Accurate:	✓Y __N	VOA Zero Headspace:	__Y __N
Bottles arrive intact:	✓Y __N	Pres. Correct/Check:	__Y __N
Correct bottles used:	✓Y __N		
Sufficient volume sent:	✓Y __N	Condition: ___NCF	✓OK
RA Screen <0.5 mR/hr:	✓Y __N		

TRK# 8837 5581 3896

Please email results to Diane Billings at diane.billings@pacelabs.com

Date Shipped: 8/21/25 Total # of Containers: 6 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
[signature]	8/21/25 1230	[signature]	8/22/25 0900

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

ANALYTICAL REPORT

September 03, 2025

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

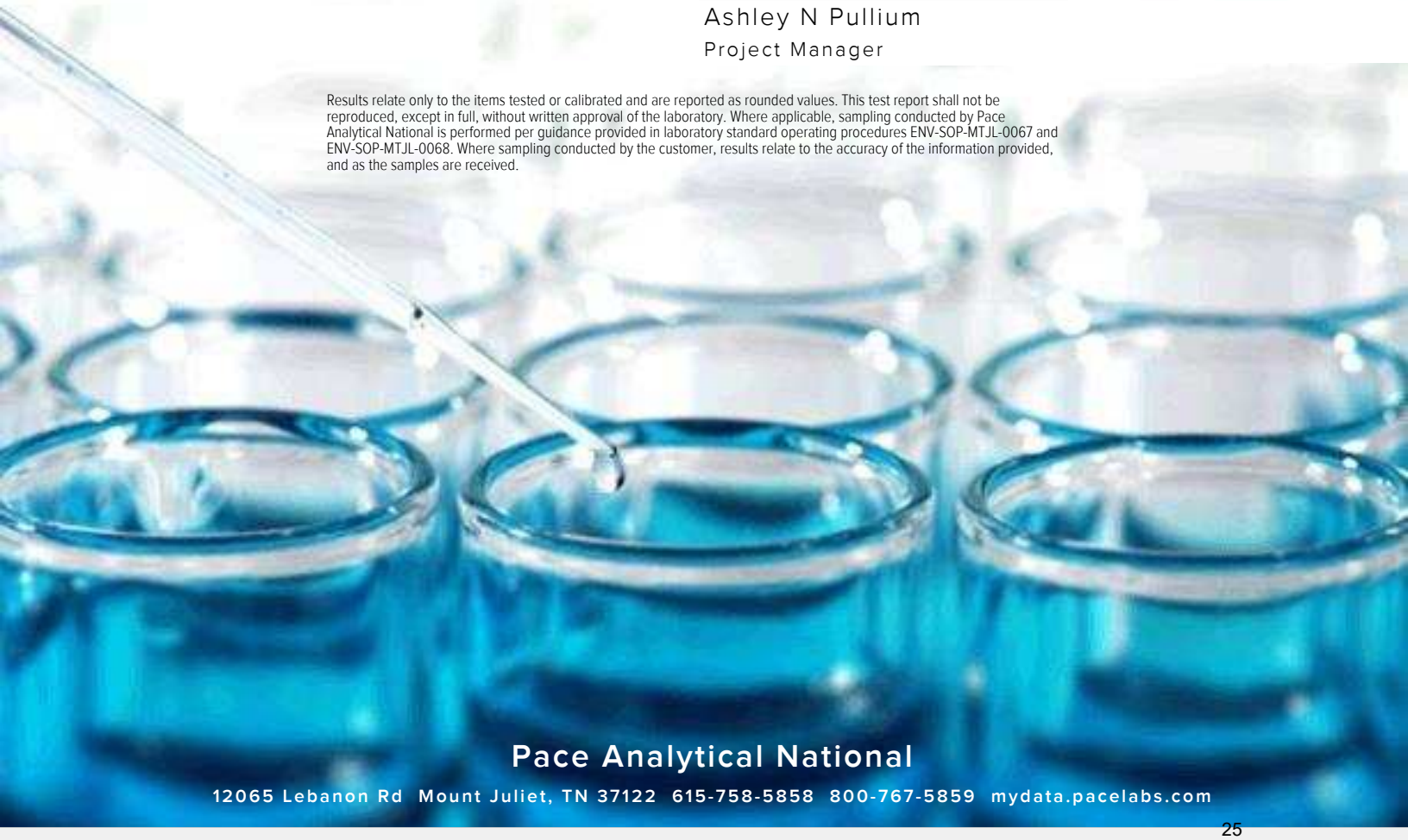
Pace IR - Peoria, IL

Sample Delivery Group:	L1891686
Samples Received:	08/22/2025
Project Number:	IH04131
Description:	
Site:	01
Report To:	Diane Billings 2231 W. Altorfer Drive Peoria, IL 61615

Entire Report Reviewed By:

Ashley N Pullium
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

SAMPLE SUMMARY

IH04131-01 L1891686-01

Collected by	Collected date/time	Received date/time
	08/20/25 11:12	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:28	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587085	1	08/25/25 15:05	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587085	1	08/25/25 15:05	08/27/25 15:55	ZRG	Mt. Juliet, TN

IH04131-02 L1891686-02

Collected by	Collected date/time	Received date/time
	08/20/25 14:40	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:28	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587085	1	08/25/25 15:05	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587085	1	08/25/25 15:05	08/27/25 15:55	ZRG	Mt. Juliet, TN

IH04131-03 L1891686-03

Collected by	Collected date/time	Received date/time
	08/20/25 12:30	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:28	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587412	1	08/25/25 20:01	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587412	1	08/25/25 20:01	08/27/25 10:55	ZRG	Mt. Juliet, TN

IH04131-04 L1891686-04

Collected by	Collected date/time	Received date/time
	08/20/25 12:40	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:30	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587412	1	08/25/25 20:01	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587412	1	08/25/25 20:01	08/27/25 10:55	ZRG	Mt. Juliet, TN

IH04131-05 L1891686-05

Collected by	Collected date/time	Received date/time
	08/20/25 11:50	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:30	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587412	1	08/25/25 20:01	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587412	1	08/25/25 20:01	08/27/25 10:55	ZRG	Mt. Juliet, TN

IH04131-06 L1891686-06

Collected by	Collected date/time	Received date/time
	08/20/25 11:07	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:28	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587412	1	08/25/25 20:01	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587412	1	08/25/25 20:01	08/27/25 10:55	ZRG	Mt. Juliet, TN

SAMPLE SUMMARY

IH04131-07 L1891686-07

Collected by	Collected date/time	Received date/time
	08/20/25 12:50	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:28	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587412	1	08/25/25 20:01	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587412	1	08/25/25 20:01	08/27/25 10:55	ZRG	Mt. Juliet, TN

IH04131-08 L1891686-08

Collected by	Collected date/time	Received date/time
	08/20/25 12:40	08/22/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2586999	1	08/25/25 12:28	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2587412	1	08/25/25 20:01	08/29/25 23:19	DDD	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2587412	1	08/25/25 20:01	08/27/25 10:55	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Ashley N Pullium
Project Manager

IH04131-01 SAMPLE RESULTS - 01

Collected date/time: 08/20/25 11:12 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.717	J	0.521	0.561	0.854	0.285	08/29/2025 23:19	WG2586999
(T) Barium	*93.7*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*87.1*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.42		0.737	0.900	08/29/2025 23:19	WG2587085

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.70		0.521	0.674	0.283	0.0834	08/27/2025 15:55	WG2587085
(T) Barium-133	*97.5*					*30.0-143*	*08/27/2025 15:55*	WG2587085

IH04131-02 SAMPLE RESULTS - 02
Collected date/time: 08/20/25 14:40 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.04		0.442	0.488	0.691	0.231	08/29/2025 23:19	WG2586999
(T) Barium	*109*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*103*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.06		0.481	0.780	08/29/2025 23:19	WG2587085

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.0164	U	0.190	0.210	0.362	0.120	08/27/2025 15:55	WG2587085
(T) Barium-133	*80.7*					*30.0-143*	*08/27/2025 15:55*	WG2587085

IH04131-03 SAMPLE RESULTS - 03

Collected date/time: 08/20/25 12:30 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.857		0.492	0.535	0.790	0.263	08/29/2025 23:19	WG2586999
(T) Barium	*91.4*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*90.8*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.26		0.581	0.860	08/29/2025 23:19	WG2587412

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.401		0.309	0.389	0.339	0.0998	08/27/2025 10:55	WG2587412
(T) Barium-133	*81.5*					*30.0-143*	*08/27/2025 10:55*	WG2587412

IH04131-04 SAMPLE RESULTS - 04

Collected date/time: 08/20/25 12:40 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	3.99		1.02	1.11	1.41	0.464	08/29/2025 23:19	WG2586999
(T) Barium	*107*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*88.2*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	4.71		1.09	1.45	08/29/2025 23:19	WG2587412

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.723		0.374	0.496	0.346	0.114	08/27/2025 10:55	WG2587412
(T) Barium-133	*84.4*					*30.0-143*	*08/27/2025 10:55*	WG2587412

IH04131-05 SAMPLE RESULTS - 05

Collected date/time: 08/20/25 11:50 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	4.70		0.940	1.04	1.21	0.399	08/29/2025 23:19	WG2586999
(T) Barium	*113*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*96.5*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	6.29		1.08	1.26	08/29/2025 23:19	WG2587412

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.60		0.538	0.705	0.366	0.121	08/27/2025 10:55	WG2587412
(T) Barium-133	*76.9*					*30.0-143*	*08/27/2025 10:55*	WG2587412

IH04131-06 SAMPLE RESULTS - 06

Collected date/time: 08/20/25 11:07 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.60		0.450	0.508	0.633	0.209	08/29/2025 23:19	WG2586999
(T) Barium	*84.1*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*97.8*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	2.72		0.651	0.729	08/29/2025 23:19	WG2587412

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	1.12		0.471	0.608	0.362	0.114	08/27/2025 10:55	WG2587412
(T) Barium-133	*88.2*					*30.0-143*	*08/27/2025 10:55*	WG2587412

IH04131-07 SAMPLE RESULTS - 07

Collected date/time: 08/20/25 12:50 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	1.37		0.474	0.528	0.723	0.242	08/29/2025 23:19	WG2586999
(T) Barium	*102*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*103*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	1.92		0.579	0.793	08/29/2025 23:19	WG2587412

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.547		0.333	0.418	0.325	0.101	08/27/2025 10:55	WG2587412
(T) Barium-133	*94.8*					*30.0-143*	*08/27/2025 10:55*	WG2587412

IH04131-08 SAMPLE RESULTS - 08

Collected date/time: 08/20/25 12:40 L1891686

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	2.67		0.763	0.838	1.10	0.364	08/29/2025 23:19	WG2586999
(T) Barium	*80.5*					*30.0-143*	*08/29/2025 23:19*	WG2586999
(T) Yttrium	*92.5*					*30.0-136*	*08/29/2025 23:19*	WG2586999

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	3.25		0.853	1.16	08/29/2025 23:19	WG2587412

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.579		0.382	0.519	0.353	0.0917	08/27/2025 10:55	WG2587412
(T) Barium-133	*71.5*					*30.0-143*	*08/27/2025 10:55*	WG2587412

QUALITY CONTROL SUMMARY

Radiochemistry by Method 9204/9320

L1891686-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R4267701-1 08/29/25 23:19

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.624		0.353	0.570	0.191
(T) Barium	*107*		*107*		
(T) Yttrium	*92.5*		*92.5*		

L1891686-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891686-01 08/29/25 23:19 • (DUP) R4267701-5 08/29/25 23:19

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.717	0.521	0.854	0.285	1.24	0.684	1.10	0.369	53.6	0.610		20	3
(T) Barium	*93.7*				*112*	*112*							
(T) Yttrium	*87.1*				*95.5*	*95.5*							

Laboratory Control Sample (LCS)

(LCS) R4267701-2 08/29/25 23:19

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.56	111	80.0-120	
(T) Barium			*108*		
(T) Yttrium			*94.7*		

L1888558-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1888558-03 08/29/25 23:19 • (MS) R4267701-3 08/29/25 23:19 • (MSD) R4267701-4 08/29/25 23:19

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	4.14	11.3	12.0	71.4	79.0	1	70.0-130			6.52		20
(T) Barium		*108*			*104*	*107*							
(T) Yttrium		*85.4*			*94.2*	*96.8*							

WG2587085 QUALITY CONTROL SUMMARY

Radiochemistry by Method SM7500Ra B M L1891686-01,02

Method Blank (MB)

(MB) R4265468-1 08/27/25 15:55

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.000	U	0.0257	0.0612	0.0168
(T) Barium-133	*83.8*		*83.8*		

L1891940-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1891940-20 08/27/25 15:55 • (DUP) R4265468-5 08/27/25 15:55

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.000	0.278	0.496	0.181	0.409	0.303	0.329	0.0995	200	0.995		20	3
(T) Barium-133	*93.7*				*89.1*	*89.1*							

Laboratory Control Sample (LCS)

(LCS) R4265468-2 08/27/25 15:55

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.76	115	80.0-120	
(T) Barium-133			*66.2*		

L1891973-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891973-21 08/27/25 15:55 • (MS) R4265468-3 08/27/25 15:55 • (MSD) R4265468-4 08/27/25 15:55

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	1.29	18.9	21.5	88.1	101	1	75.0-125			12.7		20
(T) Barium-133		*98.5*			*97.0*	*91.0*							

WG2587412 QUALITY CONTROL SUMMARY

Radiochemistry by Method SM7500Ra B M — L1891686-03,04,05,06,07,08

Method Blank (MB)

(MB) R4265391-1 08/27/25 10:55

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00753	U	0.0165	0.0586	0.0152
(T) Barium-133	*83.5*		*83.5*		

L1891966-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1891966-19 08/27/25 10:55 • (DUP) R4265391-5 08/27/25 10:55

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.192	0.297	0.444	0.150	0.277	0.257	0.320	0.101	36.2	0.216	J	20	3
(T) Barium-133	*89.7*				*90.1*	*90.1*							

Laboratory Control Sample (LCS)

(LCS) R4265391-2 08/27/25 10:55

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.86	117	80.0-120	
(T) Barium-133			*90.6*		

L1891686-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891686-03 08/27/25 10:55 • (MS) R4265391-3 08/27/25 10:55 • (MSD) R4265391-4 08/27/25 10:55

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.401	21.8	19.0	107	93.2	1	75.0-125			13.6		20
(T) Barium-133		*81.5*			*85.3*	*88.8*							

GLOSSARY OF TERMS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IH04131

43

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

B040
L1891686

Sample: IH04131-01
Name: OM101D

Sampled: 08/20/25 11:12
Matrix: Ground Water
Preservative: HNO3, pH <2
-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 11:12	

Sample: IH04131-02
Name: OM16

Sampled: 08/20/25 14:40
Matrix: Ground Water
Preservative: HNO3, pH <2
-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 14:40	

Sample: IH04131-03
Name: OM17D

Sampled: 08/20/25 12:30
Matrix: Ground Water
Preservative: HNO3, pH <2
-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 12:30	

Sample: IH04131-04
Name: OM25D

Sampled: 08/20/25 12:40
Matrix: Ground Water
Preservative: HNO3, pH <2
-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 12:40	

Sample: IH04131-05
Name: OM25S

Sampled: 08/20/25 11:50
Matrix: Ground Water
Preservative: HNO3, pH <2
-05

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 11:50	

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IH04131

44

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

L891686

Sample: IH04131-06
Name: OR03D

Sampled: 08/20/25 11:07
Matrix: Ground Water
Preservative: HNO3, pH <2

-06

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 11:07	

Sample: IH04131-07
Name: EB #2

Sampled: 08/20/25 12:50
Matrix: Ground Water
Preservative: HNO3, pH <2

-07

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 12:50	

Sample: IH04131-08
Name: OM25D-DUP

Sampled: 08/20/25 12:40
Matrix: Ground Water
Preservative: HNO3, pH <2

-08

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/16/26 12:40	

AMB

Sample Receipt Checklist

COC Seal Present/Intact:	Y N NP	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N	Condition: NCF	OK
RA Screen <0.5 mR/hr:	Y N		

Please email results to Diane Billings at diane.billings@pacelabs.com

Date Shipped: 8/21/25 Total # of Containers: 8 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
	8/21/25 1635		
			8/22/25 0900

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

ANALYTICAL REPORT

September 05, 2025

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Pace IR - Peoria, IL

Sample Delivery Group:	L1892060
Samples Received:	08/26/2025
Project Number:	IH04409
Description:	
Site:	01
Report To:	Diane Billings 2231 W. Altorfer Drive Peoria, IL 61615

Entire Report Reviewed By:

Ashley N Pullium
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

SAMPLE SUMMARY

IH04409-01 L1892060-01

Collected by	Collected date/time	Received date/time
	08/21/25 11:40	08/26/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2587790	1	08/27/25 12:59	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2588735	1	08/27/25 10:54	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2588735	1	08/27/25 10:54	08/28/25 14:57	ZRG	Mt. Juliet, TN

IH04409-02 L1892060-02

Collected by	Collected date/time	Received date/time
	08/21/25 11:34	08/26/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2587790	1	08/27/25 12:59	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2588735	1	08/27/25 10:54	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2588735	1	08/27/25 10:54	08/28/25 14:57	ZRG	Mt. Juliet, TN

IH04409-03 L1892060-03

Collected by	Collected date/time	Received date/time
	08/21/25 12:30	08/26/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2587790	1	08/27/25 12:59	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2588735	1	08/27/25 10:54	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2588735	1	08/27/25 10:54	08/28/25 14:57	ZRG	Mt. Juliet, TN

IH04409-04 L1892060-04

Collected by	Collected date/time	Received date/time
	08/21/25 11:34	08/26/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2587790	1	08/27/25 12:59	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method Calculation	WG2588735	1	08/27/25 10:54	09/03/25 22:47	ALG	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2588735	1	08/27/25 10:54	08/28/25 17:17	ZRG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Ashley N Pullium
Project Manager

IH04409-01 SAMPLE RESULTS - 01
Collected date/time: 08/21/25 11:40 L1892060

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.105	U	0.450	0.465	0.789	0.254	09/03/2025 22:47	WG2587790
(T) Barium	*118*					*30.0-143*	*09/03/2025 22:47*	WG2587790
(T) Yttrium	*102*					*30.0-136*	*09/03/2025 22:47*	WG2587790

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.324	U	0.493	0.825	09/03/2025 22:47	WG2588735

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.219	J	0.202	0.264	0.241	0.0659	08/28/2025 14:57	WG2588735
(T) Barium-133	*91.9*					*30.0-143*	*08/28/2025 14:57*	WG2588735

IH04409-02 SAMPLE RESULTS - 02

Collected date/time: 08/21/25 11:34 L1892060

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.261	U	0.555	0.579	0.954	0.311	09/03/2025 22:47	WG2587790
(T) Barium	*133*					*30.0-143*	*09/03/2025 22:47*	WG2587790
(T) Yttrium	*108*					*30.0-136*	*09/03/2025 22:47*	WG2587790

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.377	U	0.576	0.980	09/03/2025 22:47	WG2588735

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.115	J	0.155	0.201	0.224	0.0583	08/28/2025 14:57	WG2588735
(T) Barium-133	*92.7*					*30.0-143*	*08/28/2025 14:57*	WG2588735

IH04409-03 SAMPLE RESULTS - 03

Collected date/time: 08/21/25 12:30 L1892060

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.666		0.366	0.404	0.580	0.187	09/03/2025 22:47	WG2587790
(T) Barium	*115*					*30.0-143*	*09/03/2025 22:47*	WG2587790
(T) Yttrium	*102*					*30.0-136*	*09/03/2025 22:47*	WG2587790

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.908		0.487	0.735	09/03/2025 22:47	WG2588735

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.242	J	0.321	0.385	0.451	0.173	08/28/2025 14:57	WG2588735
(T) Barium-133	*94.6*					*30.0-143*	*08/28/2025 14:57*	WG2588735

IH04409-04 SAMPLE RESULTS - 04

Collected date/time: 08/21/25 11:34 L1892060

Radiochemistry by Method 904/9320

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-228	0.533	J	0.378	0.412	0.614	0.198	09/03/2025 22:47	WG2587790
(T) Barium	*124*					*30.0-143*	*09/03/2025 22:47*	WG2587790
(T) Yttrium	*93.8*					*30.0-136*	*09/03/2025 22:47*	WG2587790

Radiochemistry by Method Calculation

Analyte	Result pCi/l	Qualifier	Uncertainty + / -	MDA pCi/l	Analysis Date date / time	Batch
Combined Radium	0.703	J	0.445	0.704	09/03/2025 22:47	WG2588735

Radiochemistry by Method SM7500Ra B M

Analyte	Result pCi/l	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/l	Lc pCi/l	Analysis Date date / time	Batch
RADIUM-226	0.170	J	0.235	0.293	0.344	0.109	08/28/2025 17:17	WG2588735
(T) Barium-133	*88.0*					*30.0-143*	*08/28/2025 17:17*	WG2588735

WG2587790 QUALITY CONTROL SUMMARY

Radiochemistry by Method 9204/9320 L1892060-01,02,03,04

Method Blank (MB)

(MB) R4268994-1 09/03/25 22:47

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0212	U	0.275	0.488	0.159
(T) Barium	*96.9*		*96.9*		
(T) Yttrium	*96.9*		*96.9*		

L1892060-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1892060-01 09/03/25 22:47 • (DUP) R4268994-5 09/03/25 22:47

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.105	0.450	0.789	0.254	0.936	0.751	1.24	0.407	160	0.949	J	20	3
(T) Barium	*118*				*87.1*	*87.1*							
(T) Yttrium	*102*				*100*	*100*							

Laboratory Control Sample (LCS)

(LCS) R4268994-2 09/03/25 22:47

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.51	110	80.0-120	
(T) Barium			*104*		
(T) Yttrium			*102*		

L1891150-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891150-06 09/03/25 22:47 • (MS) R4268994-3 09/03/25 22:47 • (MSD) R4268994-4 09/03/25 22:47

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.626	12.0	10.6	113	99.9	1	70.0-130			12.0		20
(T) Barium		*138*			*77.9*	*96.0*							
(T) Yttrium		*106*			*109*	*98.3*							

WG2588735 QUALITY CONTROL SUMMARY

Radiochemistry by Method SM7500Ra B M — L1892060-01,02,03,04

Method Blank (MB)

(MB) R4266051-1 08/28/25 14:57

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0146	U	0.0400	0.0759	0.0197
(T) Barium-133	*83.1*		*83.1*		

L1890583-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1890583-01 08/28/25 14:57 • (DUP) R4266051-5 08/28/25 14:57

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.519	0.339	0.350	0.111	0.132	0.177	0.257	0.0668	119	1.01	J	20	3
(T) Barium-133	*82.4*				*76.1*	*76.1*							

Laboratory Control Sample (LCS)

(LCS) R4266051-2 08/28/25 14:57

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.43	109	80.0-120	
(T) Barium-133			*73.2*		

L1892223-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1892223-33 08/28/25 17:17 • (MS) R4266051-3 08/28/25 14:57 • (MSD) R4266051-4 08/28/25 14:57

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	-0.0646	23.3	23.1	116	116	1	75.0-125			0.647		20
(T) Barium-133		*82.5*			*83.6*	*78.6*							

GLOSSARY OF TERMS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IH04409

A158

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Pace Analytical - Mt Juliet, Tn
12065 Lebanon Rd
Mt Juliet, TN 37122
(615) 758-5858

L1892060

Sample: IH04409-01
Name: OR04D

Sampled: 08/21/25 11:40
Matrix: Ground Water
Preservative: HNO3, pH <2

-01

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/17/26 11:40	

Sample: IH04409-02
Name: OR06A

Sampled: 08/21/25 11:34
Matrix: Ground Water
Preservative: HNO3, pH <2

-02

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/17/26 11:34	

Sample: IH04409-03
Name: OR14D

Sampled: 08/21/25 12:30
Matrix: Ground Water
Preservative: HNO3, pH <2

-03

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/17/26 12:30	

Sample: IH04409-04
Name: OR06A Dup

Sampled: 08/21/25 11:34
Matrix: Ground Water
Preservative: HNO3, pH <2

-04

Analysis	Due	Expires	Comments
01-Radium 226/228 combined	09/03/25 16:00	02/17/26 11:34	

AMB-0.1-AMB TLA 11

(4)

Sample Receipt Checklist

COC Seal Present/Intact: __Y__N__NP If Applicable
COC Signed/Accurate: __Y__N VOA Zero Headspace: __Y__N
Bottles arrive intact: __Y__N Pres. Correct/Check: __Y__N
Correct bottles used: __Y__N
Sufficient volume sent: __Y__N Condition: __NCF __OK
RA Screen <0.5 mR/hr: __Y__N

8838 4268 2584

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

IH04409

L892060

Please email results to Diane Billings at diane.billings@pacelabs.com

Date Shipped: 8/25/25 Total # of Containers: 4 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed: _____

Relinquished By	Date/Time	Received By	Date/Time
[signature]	8/25/25 1400	[signature]	8-26-25 0900

Relinquished By	Date/Time	Received By	Date/Time

Sample Temperature Upon Receipt	____ °C
Sample(s) Received on Ice	Y or N
Proper Bottles Received in Good Condition	Y or N
Bottles Filled with Adequate Volume	Y or N
Samples Received Within Hold Time	Y or N
Date/Time Taken From Sample Bottle	Y or N

IH03737 - Rads only
~~IH03719~~

CHAIN-OF-CUSTODY / Analytical Request Document

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

ATTACHMENT B. QUARTERLY REPORT - QUARTER 3, 2025
DUCK CREEK POWER PLANT, ASH PONDS NO.1 AND NO.2
DC-845-201-202

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OM101D															X		
2	OM16															X		
3	OM17D															X		
4	OM21	GW	G	08/19/25	11:15		4	X		X						X		
5	OM22D	GW	G	08/19/25	13:05		4	X		X						X		
6	OM23D	GW	G	08/19/25	15:03		4	X		X						X		
7	OM24D	GW	G	08/19/25	14:06		4	X		X						X		
8	OM25D															X		
9	OM25S															X		
10	OM26															X		
11	OM27															X		
12	OM28															X		
13	OR03D															X		
14	OR04D															X		
15	OR06A															X		
16	OR13D	GW	G	08/19/25	12:03		4	X		X						X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Andy Wilusha	08/19/25	16:15	Sarah Stutz	8/19/25	1615	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Wilusha

SIGNATURE of SAMPLER: Andy Wilusha

DATE Signed (MM/DD/YY): 08/19/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

IR Gun # 19 Correction Factor (Deg C) 0

Observed Temp (Deg C) 4.2 Corrected Temp (Deg C) 4.2

Delivery Method: FedEx UPS Walk-in USPS Other

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OR14D																X		
2	XPW01																X		
3	Field Blank																		
4	Equipment Blank	DI	G	08/19/25	16:10		4	X		X									filled after OM23D
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Andy Weteska	08/19/25	16:15	Sarah Kutler	8/19/25	1615	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Weteska

SIGNATURE of SAMPLER: Andy Weteska

DATE Signed (MM/DD/YY): 08/19/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

1H04124

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OM101D	GW	G	8/20/25	1112		4	X		X						X		
2	OM16	GW	G	8/20/25	1440		4	X		X						X		
3	OM17D	GW	G	8/20/25	1230		4	X		X						X		
4	OM21															X		
5	OM22D															X		
6	OM23D															X		
7	OM24D															X		
8	OM25D	GW	G	08/20/25	12:40		4	X		X						X		Field dup/EB 2 Filter Blank
9	OM25S	GW	G	08/20/25	1150		4	X		X						X		
10	OM26															X		
11	OM27															X		
12	OM28															X		
13	OR03D	GW	G	08/20/25	1107		4	X		X						X		
14	OR04D															X		
15	OR06A															X		
16	OR13D															X		

Cooler # 18 Correction Factor: 1.2
Observed Temp (°C): 3.9 Corrected Temp (°C): 4.1
Delivery Method: Fed Ex UPS Courier Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Andy Hetesko	08/20/25			8/20/25	1045	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andy Hetesko

SIGNATURE of SAMPLER: Andy Hetesko

DATE Signed (MM/DD/YY): 08/20/25

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

1H04124/
1H04131

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Duck Creek	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	17751 North Cilco Rd	Copy To:	Daryl Johnson: Robert.Johnson@vistracorp.com	Company Name:	Vistra Corp
	Canton, IL 61520			Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:		Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OR14D															X		
2	XPW01															X		
3	Field Blank																	
4	EB #2	DI	G	08/20/25	12:50		4	X		X								Filled @ OM25D
5	OM25D - Dup	GW	G	08/20/25	12:40		4	X		X								
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		

IR Gun # 18 Correction Factor (Deg C) 2.2
Observed Temp (Deg C) 3.8 Corrected Temp (Deg C) 4.1
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-25Q3R Rev 0	Andy Wetoska	08/20/25			8/20/25	1445	

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:	Andy Wetoska					
SIGNATURE of SAMPLER:	Andy Wetoska	DATE Signed (MM/DD/YY): 08/20/25				

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Vista Work Order #: 1H04124 / 1H04131 Completed by / Date: ND 8/8/25

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☑N/A	
Chain of Custody (CoC) Present:	☑Yes ☐No	
CoC is Legible:	☑Yes ☐No	
Sampler Name Present on COC:	☑Yes ☐No	
Sampler Signature Present on CoC:	☑Yes ☐No	
Sample Collection Date Present on CoC:	☑Yes ☐No	
Sample Collection Time Present on CoC:	☑Yes ☐No	
CoC Relinquished by Client:	☑Yes ☐No	
Unique Sample ID's Present on CoC:	☑Yes ☐No	
CoC and Sample Container Labels Match:	☑Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☑Yes ☐No ☐N/A ☑Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☑Yes ☐No ☐N/A	
Container(s) Received Intact:	☑Yes ☐No	
Containers Received Labeled and Labels are Legible:	☑Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☑Yes ☐No	
Sufficient Sample Volume Received:	☑Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☑N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☑N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials *If headspace is present, note sample ID and # of vials	☐Yes ☐No ☑N/A	
All (Non-Field) Analysis Received Within Hold Times:	☑Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☑No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

DC# Title: ENV-FRM-PEOR-0003 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: 1H04124 / 1H0431 INITIALS: N

Plastic Bottles	-1 x8	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total	1									
P, U, 250ml										
P, U, 500ml - Total	1									
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total	1									
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	1									
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml $MeCl_2$										
A, G, 500ml H_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_4										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

1H04409

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911 Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson; Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OM101D																X		
2	OM16																X		
3	OM17D																X		
4	OM21																X		
5	OM22D																X		
6	OM23D																X		
7	OM24D																X		
8	OM25D																X		
9	OM25S																X		
10	OM26																X		
11	OM27																X		
12	OM28																X		
13	OR03D																X		
14	OR04D	WT	G	8/21/25	1140		4	X		X							X		
15	OR06A	WT	G	8/21/25	1134		4	X		X							X		
16	OR13D																X		

IR Gun # 17 Correction Factor (Deg C) +2
Observed Temp (Deg C) 4.1 Corrected Temp (Deg C) 3.2
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
DC-25Q3R Rev 0	Johannan	8/21/25	1344		8/21/25	1344

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jordan Bohannan

SIGNATURE of SAMPLER: Johannan

DATE Signed (MM/DD/YY): 08/21/25

1H04376

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information:

Company:	Vistra Corp-Duck Creek
Address:	17751 North Cilco Rd
	Canton, IL 61520
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Daryl Johnson; Robert.Johnson@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DC-845-201-202	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	OR14D	WT	G	8/21/25	1230		4	X		X							X		
2	XPW01																X		
3	Field Blank																		
4	OR06A-~~Field~~ Dup 8/21/25	WT	G	8/21/25	1134		4	X		X							X		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

IR Gun #: 17 Correction Factor (Deg C): -.2
Observed Temp (Deg C): 4.1 Corrected Temp (Deg C): 3.9
Delivery Method: FedEx UPS Walk-in USPS Other

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
DC-25Q3R Rev 0	JBohannan	8/21/25	1344			
					8/21/25	1344

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jordan Bohannan
SIGNATURE of SAMPLER: JBohannan
DATE Signed (MM/DD/YY): 08/21/25

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Duck Creek Work Order #: I1T044091 Completed by / Date: [illegible]25

Custody seal on cooler/box present and seal intact:	☐Yes ☐No ☑N/A	
Chain of Custody (CoC) Present:	☑Yes ☐No	
CoC is Legible:	☑Yes ☐No	
Sampler Name Present on COC:	☑Yes ☐No	
Sampler Signature Present on CoC:	☑Yes ☐No	
Sample Collection Date Present on CoC:	☑Yes ☐No	
Sample Collection Time Present on CoC:	☑Yes ☐No	
CoC Relinquished by Client:	☑Yes ☐No	
Unique Sample ID's Present on CoC:	☑Yes ☐No	
CoC and Sample Container Labels Match:	☑Yes ☐No	
Sample chilling process started prior to receipt: If yes, what type of ice:	☑Yes ☐No ☐N/A ☑Wet ☐Blue	
Samples received within temperature compliance: (≤ 6°C,but above freezing or received same day collected and chill process started prior to receipt)	☐Yes ☐No ☑N/A	
Container(s) Received Intact:	☑Yes ☐No	
Containers Received Labeled and Labels are Legible:	☑Yes ☐No	
Appropriate Bottles Received for Analysis Requested:	☑Yes ☐No	
Sufficient Sample Volume Received:	☑Yes ☐No	
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐Yes ☐No ☑N/A	
Trip Blank(s) Received: If present, are they Listed on CoC:	☐Yes ☐No ☑N/A ☐Yes ☐No	
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials *If headspace is present, note sample ID and # of vials	☐Yes ☐No ☑N/A	
All (Non-Field) Analysis Received Within Hold Times:	☑Yes ☐No	
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐Yes ☑No	
Short Hold Time Analysis (48 Hours or Less):	☐Yes ☑No	

Client Notification/ Resolution: If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

DC#: Title: ENV-FRM-PEOR-0003 v04_General Bottle Receipt Form
Effective Date:

WORK ORDER #: IH04409 INITIALS: RS

Plastic Bottles	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total										
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H_2SO_4 - Total										
P, 250ml/500ml H_2SO_4 - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO_3 - Total										
P, 250ml/500ml HNO_3 - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 2.5L HNO_3	1	1	1	1						
P, U, 2.5L										
P, U, 50ml										
S, P, 120ml $Na_2S_2O_3$										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml $MeCl_2$										
A, G, 500ml H_2SO_4										
A, G, U, 500ml										
A, G, U, 250ml H_2SO_4										
A, G, U, 250ml										
A, V, 40ml H_2SO_4										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml $Na_2S_2O_3$										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										

SAR-3: Episodic Depth to Water Measurement
Event: DC-25Q3R
Date Generated: 07/29/2025
All episodic water levels on SAR-3 and SAR-4 must be collected within a 24 hour period.

Well	Unique ID	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
OM101D	DC_OM101&D	08/18/25	10:50	21.25	~~TD: 36.32~~	AJW
OM16	DC_OM16	08/18/25	11:37	29.47		AJW
OM17D	DC_OM17&D	08/18/25	11:30	19.43		AJW
OM21	DC_OM21	08/18/25	11:58	12.82		AJW
OM22D	DC_OM22&D	08/18/25	13:30	20.45		AJM
OM23D	DC_OM23&D	08/18/25	13:20	38.60		AJM
OM24D	DC_OM24&D	08/18/25	13:08	5.86		AJM
OM25S	DC_OM25#S	08/18/25	13:02	28.50		AJM
OM25D	DC_OM25&D	08/18/25	13:04	28.29		AJM
OM26	DC_OM26	08/18/25	12:30	32.54		AJM
OM27	DC_OM27	08/18/25	12:25	34.50		AJM
OM28	DC_OM28	08/18/25	12:23	49.58		AJW
OR03D	DC_OR03&D	08/18/25	12:49	45.49		AJM
OR04D	DC_OR04&D	08/18/25	12:56	22.06		AJM
OR06!A	DC_OR06A	08/18/25	12:12	14.51		AJW
OR13D	DC_OR13&D	08/18/25	12:05	14.76		AJW
OR14D	DC_OR14&D	08/18/25	12:02	11.87		AJW
XPW01	DC_XPW01	08/18/25	12:42	15.30		AJM

Duck Creek

WELL/SAMPLE POINT OM16 **Purge Method:** Dedicated Peristaltic Tubing

Date: 20-Aug-25 Start Time: 1308 Finish/Sample Time: 1440

Well Depth (Bottom) From MP: 43.67 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 29.57 ft Total Purge Volume: 2800 mL

Water Column Length: 14.1 ft

Well Water Volume: 8.54 L Total Drawdown: 0.86 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1328	30.22	100	6.41	4086	20.48	91.7	1.55	570
2	1331	30.29		6.40	4058	20.44	102.2	1.50	150
3	1334	30.34		6.40	4090	20.55	101.5	1.48	155
4	1337	30.40		6.40	4072	20.20	98.4	1.41	187
5	1340	30.43		6.40	4067	20.24	91.8	1.42	155
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: ~~Hanna~~ Hanna

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☑ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☑ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes		✓

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2SO4)
1	General (P,~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 30.43 ft

Comments

Sampler's Signature: [signature]

App 8/26/25

Duck Creek

WELL/SAMPLE POINT OM16 (Cont.)

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	1343	30.43	100	6.40	4060	20.28	83.2	1.46	150
7	1346	1	1	6.40	4052	20.34	81.9	1.48	148
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature: [illegible]

Duck Creek

WELL/SAMPLE POINT OM17D **Purge Method:** Dedicated Peristaltic Tubing

Date: 20-Aug-25 Start Time: 1142 Finish/Sample Time: 1230

Well Depth (Bottom) From MP: 43.27 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 19.42 ft Total Purge Volume: ~~2200~~ 2600 mL

Water Column Length: 23.87 ft

Well Water Volume: 14.44 L Total Drawdown: 0.18 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1156	19.58	200	6.67	2286	16.02	41.2	1.45	13.7
2	1159	19.60	|	6.67	2304	15.95	41.3	1.41	9.4
3	1201	19.60	|	6.67	2285	15.87	41.6	1.40	12.1
4	1202	19.60	|	6.67	2278	~~15.97~~	41.9	1.42	9.1
5	1204	19.60	|	6.67	2294	15.96	42.2	1.41	11.5
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: ~~Hanna~~ Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes		X

BOTTLE INFORMATION:

Unfiltered Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
|	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
|	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
|	Rad (P, 2.5L, HNO3)

Filtered Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
|	General (P,~~1000~~mL) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 19.60 ft

Comments Temp in cell 4 read 15.97.

Sampler's Signature: [illegible]

APP 8/21/25

Duck Creek

WELL/SAMPLE POINT OM21 **Purge Method:** Dedicated Peristaltic Tubing

Date: 08/19/25 Start Time: 10:20 Finish/Sample Time: 11:15

Well Depth (Bottom) From MP: 60.49 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 12.87 ft Total Purge Volume: 2800 mL

Water Column Length: 47.62 ft

Well Water Volume: 28.84 L Total Drawdown: 0.33 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	10:30	13.03	150	6.88	3397	14.01	-64	0.45	53.4
2	10:32	13:05	150	6.82	3388	14.37	-44	0.43	114
3	10:34	13.07	150	6.77	3384	14.27	-30	0.39	81.6
4	10:36	13.08	150	6.74	336	14.25	-20	0.41	20.1
5	10:38	13.10	150	6.76	3372	14.21	-22	0.42	19.0
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 13.20 ft

Comments

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT **OM21 (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	10:40	13.11	150	6.79	3362	14.20	-21	0.40	18.7
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature: Andy Witeska

Duck Creek

WELL/SAMPLE POINT OM22D **Purge Method:** Portable Pump/Dedicated Tubing

Date: 08/19/25 Start Time: 12:13 Finish/Sample Time: 13:05

Well Depth (Bottom) From MP: 65.17 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 20.54 ft Total Purge Volume: 2800 mL

Water Column Length: 44.63 ft

Well Water Volume: 27.03 L Total Drawdown: 0.0 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	12:20	20.54	150	6.76	4430	16.64	-215	0.47	24.1
2	12:22	20.54	150	6.70	4392	16.72	-220	0.43	25.3
3	12:24	20.54	150	6.69	4405	16.90	-222	0.41	64.5
4	12:26	20.54	150	6.72	4392	17.14	-221	0.41	42.2
5	12:28	20.54	150	6.68	4377	17.14	-218	0.40	40.4
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☐ None ☐ Slight ☐ Mod. ☒ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2SO4)
1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 20.54 ft

Comments

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT **OM22D (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	12:30	20.54	150	6.67	4386	17.13	~~0.39~~	0.39	39.6
7							-216	AJW	
8								08/19/25	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature: Katy J. Nikolas

Duck Creek

WELL/SAMPLE POINT OM23D **Purge Method:** Portable Pump/Dedicated Tubing

Date: 08/19/25 Start Time: 14:10 Finish/Sample Time: 15:03

Well Depth (Bottom) From MP: 82.95 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 39.51 ft Total Purge Volume: 7600 mL

Water Column Length: 43.44 ft

Well Water Volume: 26.31 L Total Drawdown: 0.50 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	14:24	40.01	300	6.83	1789	19.48	-58	0.45	>1000
2	14:26	40.01	300	6.83	1785	19.23	-59	0.41	>1000
3	14:28	40.01	300	6.83	1777	17.50	-72	0.34	>1000
4	14:30	40.01	300	6.83	1773	16.40	-74	0.31	>1000
5	14:32	40.01	300	6.82	1771	15.93	-73	0.27	549
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 40.01 ft

Comments EB#7 filled after this well @ 16:10

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT **OM23D (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	14:34	40.01	300	6.82	1769	15.41	-71	0.25	325
7	14:36	40.01	300	6.80	1768	15.36	-70	0.25	173
8	14:38	40.01	300	6.80	1766	15.27	-68	0.24	168
9	14:40	40.01	300	6.80	1765	15.18	-66	0.24	122
10	14:42	40.01	300	6.79	1764	15.11	-66	0.24	118
11	14:44	40.01	300	6.80	1764	15.09	-65	0.24	113
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature:

Duck Creek

WELL/SAMPLE POINT OM24D **Purge Method:** Dedicated Peristaltic Tubing

Date: 08/19/25 Start Time: 13:10 Finish/Sample Time: 14:06

Well Depth (Bottom) From MP: 20.14 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 5.80 ft Total Purge Volume: 2800 mL

Water Column Length: 14.34 ft AJW 08/19/25 0.0

Well Water Volume: 8.68 L Total Drawdown: ~~5~~ ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	13:22	5.80	150	6.72	3216	16.58	-150	0.38	5.2
2	13:24	5.80	150	6.74	3215	16.44	-149	0.37	4.0
3	13:26	5.80	150	6.74	3211	16.45	-146	0.36	4.1
4	13:28	5.80	150	6.70	3195	16.61	-143	0.34	3.1
5	13:30	5.80	150	6.69	3191	16.64	-140	0.34	3.2
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☐ None ☒ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P,250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2SO4)
1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 5.80 ft

Comments

Sampler's Signature: Andy Wilinska

Duck Creek

WELL/SAMPLE POINT **OM24D (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	13:32	5.80	150	6.70	3189	16.666	-137	0.34	3.0
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature: Katy Wolski

Duck Creek

WELL/SAMPLE POINT OM25D **Purge Method:** portable pump

Date: 08/20/25 Start Time: 11:55 Finish/Sample Time: 12:40

Well Depth (Bottom) From MP: 77.27 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 58.32 ft Total Purge Volume: 4000 mL

Water Column Length: 18.95 ft

Well Water Volume: 11.48 L Total Drawdown: 13.13 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
1	12:01	62.22	300	6.67	3292	18.08	-30	1.70	>1000
2	12:02	62.45	300	6.67	3202	17.92	-33	1.49	>1000
3	12:03	63.95	300	6.68	3114	18.13	-40	1.17	>1000
4	12:04	64.08	200	6.68	3108	18.27	-42	1.17	>1000
5	12:05	64.27	200	6.68	3098	18.39	-42	1.17	>1000
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☐ Slight ☐ Mod ☒ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1 + 1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1 + 1	General (P, 1000 mL)
	Ammonia (P,250mL, H2SO4)
1 + 1	Rad (P, 2.5L, HNO3)

HH

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2SO4)
1 + 1	General (P, ~~1000~~mL) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 71.45 ft

Comments Field dup. EB #2 filled here at 12:50

Sampler's Signature: Kelly Wetzler

Duck Creek

WELL/SAMPLE POINT **OM25D (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	12:06	64.41	200	6.67	3080	18.67	-43	1.19	>1000
7	12:07	64.63	200	6.67	3058	18.85	-43	1.19	>1000
8	12:08	64.78	200	6.68	3029	19.18	-42	1.21	>1000
9	12:09	64.96	200	6.67	3030	19.25	-42	1.25	>1000
10	12:10	65.11	200	6.67	3025	19.27	-42	1.28	>1000
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature: [illegible]

Duck Creek

WELL/SAMPLE POINT OM25S **Purge Method:** Portable Pump/Dedicated Tubing

Date: 08/20/25 Start Time: 11:15 Finish/Sample Time: 11:50

Well Depth (Bottom) From MP: 64.03 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 58.48 ft Total Purge Volume: 2800 mL

Water Column Length: 5.55 ft

Well Water Volume: 3.36 L Total Drawdown: 1.08 ft

AJW 08/20/25

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	11:26	59.56	300	6.56	3457	12.13	19	5.92	>1000
2	11:27 ~~11:28~~	59.56	300	6.56	3486	16.83	22	5.09	>1000
3	11:28	59.56	300	6.57	3611	16.44	20	4.96	>1000
4	11:29	59.56	300	6.59	3652	16.42	19	2.02	>1000
5	11:30	59.56	300	6.59	3656	16.43	18	1.95	>1000
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☐ Slight ☐ Mod ☒ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P~~,1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 59.56 ft

Comments

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT **OM25S (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	11:31	59.56	300	6.58	3659	16.48	15	1.87	>1000
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature: [illegible]

Duck Creek

WELL/SAMPLE POINT OM101D **Purge Method:** Dedicated Peristaltic Tubing

Date: 20-Aug-25 Start Time: 1031 Finish/Sample Time: 1112

Well Depth (Bottom) From MP: 36.34 ft
Depth to Water From MP: 20.86 ft
Water Column Length: 15.48 ft
Well Water Volume: 9.37 L

Min. Purge Volume: 1000 mL
Total Purge Volume: ~~2200~~ 2600 mL
Total Drawdown: 1.96 ft

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
1	1042	21.42	200	6.63	2174	14.77	32.2	1.00	30.4
2	1044	22.53	|	6.63	2161	14.78	33.9	0.90	77.7
3	1045	22.58	|	6.63	2175	14.66	35.6	0.84	6.6
4	1047	22.62	|	6.63	2161	14.60	36.5	0.83	6.5
5	1048	22.65	|	6.63	2163	14.56	37.6	0.78	6.8
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: ~~Hanna~~ Hanna

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☑ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☑ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	/	
Casing locked/secure	/	
Well cap fits securely.	/	
Good seal/drainage	/	
Well has weep holes		/

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
|	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
|	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
|	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
|	General (P,~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 22.82 ft

Comments

Sampler's Signature: [signature]

App 8/22/25

Duck Creek

WELL/SAMPLE POINT OR03D **Purge Method:** Portable Pump/Dedicated Tubing

Date: 08/20/25 Start Time: 10:23 Finish/Sample Time: 11:07

Well Depth (Bottom) From MP: 77.75 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 45.55 ft Total Purge Volume: 4000 mL

Water Column Length: 32.20 ft

Well Water Volume: 19.50 L Total Drawdown: 0.27 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	10:40	45.82	150	6.68	3503	18.73	-42	1.81	214
2	10:42	45.82	150	6.69	3545	17.88	-43	1.44	339
3	10:44	45.82	150	6.67	3704	17.51	-46	1.19	286
4	10:46	45.82	150	6.65	4037	17.14	-48	1.06	540
5	10:48	45.82	150	6.62	4570	16.87	-49	1.03	>1000
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☒ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☐ Slight ☐ Mod ☒ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P,250 mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 45.82 ft

Comments

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT **OR03D (Cont.)**

Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
6	10:50	45.82	150	6.59	4995	16.47	-50	0.97	>1000
7	10:52	45.82	150	6.56	5353	16.05	-51	0.92	>1000
8	10:54	45.82	150	6.53	5589	15.88	-52	0.89	>1000
9	10:56	45.82	150	6.52	5670	15.90	-53	0.88	960
10	10:58	45.82	150	6.52	5701	15.95	-54	0.87	912
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature:

Duck Creek

WELL/SAMPLE POINT OR04D **Purge Method:** Portable Pump/Dedicated Tubing

Date: 08/21/25 Start Time: 1038 Finish/Sample Time: 1140

Well Depth (Bottom) From MP: 68.07 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 22.06 ft Total Purge Volume: ~~1000~~ 2200 mL

Water Column Length: 46.01 ft

Well Water Volume: 27.86 L Total Drawdown: 0.0 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1108	22.06	100	8.13	223	15.74	19	1.93	27.20
2	1111	22.06	100	8.05	222	15.54	20	1.43	410.60
3	1114	22.06	100	8.01	221	15.41	22	1.31	20.30
4	1117	22.06	100	7.97	220	15.40	24	1.29	20.60
5	1120	22.06	100	7.98	223	15.43	23	1.27	20.20
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: HORIBA

Sample Appearance:

Odor: ☑ None ☐ Slight ☐ Mod. ☐ Strong

Color ☐ None ☑ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☑ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	✓	
Casing locked/secure	✓	
Well cap fits securely.	✓	
Good seal/drainage	✓	
Well has weep holes	✓	

BOTTLE INFORMATION:

Unfiltered Qty	Unfiltered Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered Qty	Filtered Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P, ~~1000mL~~) 500
	TOC (A,V, 40mL, H2SO4)

Final DTW: 22.06 ft

Comments

Sampler's Signature:

App 8/22/25

Duck Creek

WELL/SAMPLE POINT OR06A **Purge Method:** Dedicated Peristaltic Tubing

Date: 8/21/25 Start Time: 1035 Finish/Sample Time: 1134

Well Depth (Bottom) From MP: 26.05 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 14.61 ft Total Purge Volume: 2500 mL

Water Column Length: 11.44 ft

Well Water Volume: 6.92 L Total Drawdown: 0.06 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	1057	14.67	150	6.67	3280	15.01	7.4	1.03	135
2	1059	14.67	150	6.67	3257	14.97	8.6	1.05	94.1
3	1101	14.67	150	6.67	3219	14.95	8.1	1.05	87.6
4	1103	14.67	150	6.67	3215	14.94	7.5	1.06	85.1
5	1105	14.67	150	6.67	3216	14.95	7.6	1.07	84.7
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☐ None ■ Slight ☐ Mod. ☐ Strong

Color ☐ None ☐ Slight ■ Mod. ☐ Strong

Turb: ☐ None ■ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1+1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1+1	General (P, 1000 mL)
	Ammonia (P, 250 mL, H2SO4)
1+1	Rad (P, 2.5L, HNO3)

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1+1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 14.67 ft

Comments Field Dup collected here

Sampler's Signature: JBohannan

Duck Creek

WELL/SAMPLE POINT OR13D **Purge Method:** Dedicated Peristaltic Tubing

Date: 08/19/25 Start Time: 11:17 Finish/Sample Time: 12:03

Well Depth (Bottom) From MP: 50.17 ft Min. Purge Volume: 1000 mL

Depth to Water From MP: 14.81 ft Total Purge Volume: 2200 mL

Water Column Length: 35.36 ft

Well Water Volume: 21.41 L Total Drawdown: 0.04 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
1	11:24	14.84	150	6.94	1900	15.69	-64	4.3	20.4
2	11:26	14.85	150	6.93	1897	15.44	-58	3.8	22.9
3	11:28	14.85	150	6.91	1886	15.38	-56	3.6	21.6
4	11:30	14.85	150	6.90	1884	15.34	-54	3.3	20.8
5									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Field Meter: Hanna

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☒ None ☐ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P, ~~1000mL~~) 500mL
	TOC (A,V, 40mL, H2SO4)

Final DTW: 14.85 ft

Comments

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT OR14D

Purge Method: Dedicated Peristaltic Tubing

Date: 8-21-25 Start Time: 1141 Finish/Sample Time: 1230

Well Depth (Bottom) From MP: 48.73 ft (PBB 9/13/25)

Min. Purge Volume: 1000 mL

Depth to Water From MP: 11.80 ft

Total Purge Volume: 4600 mL

Water Column Length: 36.93 ft

Well Water Volume: 22.34 L

Total Drawdown: .21 ft

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU	
1	1151	12.01	200	6.55	3465	13.72	-61.6	0	~~69.3~~	108
2	1153	12.01	200	6.53	3546	13.85	-47.7	0	~~47.3~~	157
3	1155	12.01	200	6.53	3502	13.88	-57.5	0	~~58.6~~	118
4	1157	12.01	200	6.53	3485	13.80	-74.4	0	~~75.2~~	110 8-22-25
5	1159	12.01	200	6.55	3483	13.59	-82.2	0	~~82.5~~	125
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10	

Field Meter: HANNA

Sample Appearance:

Odor: ☒ None ☐ Slight ☐ Mod. ☐ Strong

Color ☒ None ☐ Slight ☐ Mod. ☐ Strong

Turb: ☐ None ☒ Slight ☐ Mod ☐ Strong

Well Integrity	Yes	No
Well has ID sign	X	
Casing locked/secure	X	
Well cap fits securely.	X	
Good seal/drainage	X	
Well has weep holes	X	

BOTTLE INFORMATION:

Unfiltered	
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
	TOC (A,V 40mL, H2SO4)
	TOX (A,G 500mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 1000 mL)
	Ammonia (P, 250mL, H2SO4)
1	Rad (P, 2.5L, HNO3)

4

Filtered	
Qty	Bottles
	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
	General (P,1000mL)
	TOC (A,V, 40mL, H2S04)
1	General 500

Final DTW: 12.01 ft

Comments

Sampler's Signature: [signature]

Duck Creek

WELL/SAMPLE POINT **OR14D (Cont.)**

Reading (Units)	Time	Depth ft.	Flow Rate mL/min	pH s.u.	Spec Cond umhos/cm	Temp deg C	ORP mV	DO mg/L	Turb NTU
6	1201	12.01	200	6.55	3476	13.55	-85.6	0	174
7	1203	12.01	200	6.54	3468	13.73	-89.2	0	91.7
8	1205	12.01	200	6.54	3457	13.81	-90.7	0	89.8
9	1207	12.01	200	6.55	3453	13.82	-91.3	0	86.2
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Stabilization	NA	NA	NA	± 0.1	± 3%	± 0.1	± 10	± 10% or 0.2	10% if >10

Comments

Sampler's Signature:

Multiparameter Meter Field Calibration Checklist

Field Personnel:	AJW	Location:	Duck Creek
Weather:	Cloudy 79°-87° 8mph Wind N	Environment:	grassy, overgrown, wet.
Multiparameter Water Meter	Make: Hanna	Model: HI98129	Serial Number: 0941000 9101
Water Level Meter	Make: Heson	Model: Dipper-T	Serial Number: 3217-T

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.04	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.02	s.u.	±0.1 s.u.	P	NO	N/A	MSI	025066-02	3/24/2027
pH 10.00a	10.01	s.u.	±0.1 s.u.	P	NO	N/A	MSI	025066-01	3/18/2027
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1968	µS/cm	±5%	P	NO	N/A	Proactive	4GJ1615	Oct-25
ORP	245	mV	±15 mV	P	NO	N/A	In-Situ	5GC1058	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1	P	NO	N/A	Macron	#000228049	8/26/2025
DO (Saturated)	99.2	%	97-100%	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 9:55

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.04	s.u.	±0.15 s.u.	P	NO	Proactive	5GD0333	Apr-27
pH 7.00b	7.00	s.u.	±0.15 s.u.	P	NO	Proactive	5GC1678	Mar-27
pH 10.00b	9.99	s.u.	±0.15 s.u.	P	NO	Proactive	5GC1614	Mar-27
SC 1000	1025	µS/cm	±5%	P	NO	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 15:10

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	6.99	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024145-01	5/29/2026
pH 10.00a	10.00	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024072-02	3/21/2026
SC 1000	1037	µS/cm	±5%	P	NO	N/A	Reagents	8405243	Jun-26
DO (Zero pt)	0.0	mg/L	±0.1 mg/L	P	NO	N/A	Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature: [signature] Date: 08/19/25

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Logan Austin	Location:	DUCK CREEK
Weather:	Sunny	Environment:	GRASSLAND

Multiparameter Water Meter	Make:	HANNA	Model:	HI9829	Serial Number:	08084027781	
Water Level Meter	Make:	Aerron	Model:	Dipper-t	Serial Number:	19FF220213ML	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.95	s.u.	±0.1 s.u.	P	N	NA	MSI	024140-01	5/21/2026
pH 7.00a	6.96	s.u.	±0.1 s.u.				MSI	025066-02	3/24/2027
pH 10.00a	10.03	s.u.	±0.1 s.u.				MSI	025066-01	3/18/2027
SC Zero (DI)	8	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1982	µS/cm	±5%				Proactive	4GJ1615	Oct-25
ORP	222.2	mV	±15 mV				In-Situ	5GC1058	Dec-25
DO (Zero pt)	Ø	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.4	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	Ø	NTU	<2 NTU	P	N	NA	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0950

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.94	s.u.	±0.15 s.u.	P	NA	Proactive	5GD0333	Apr-27
pH 7.00b	6.95	s.u.	±0.15 s.u.	P		Proactive	5GC1678	Mar-27
pH 10.00b	10.05	s.u.	±0.15 s.u.	P	NA	Proactive	5GC1614	Mar-27
SC 1000	1259	µS/cm	±5%	F	CAL 1022	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1442

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	N	NA	MSI	024140-01	5/21/2026
pH 7.00a	6.98	s.u.	±0.1 s.u.	P			MSI	024145-01	5/29/2026
pH 10.00a	10.03	s.u.	±0.1 s.u.	P			MSI	024072-02	3/21/2026
SC 1000	991	µS/cm	±5%	P			Reagents	8405243	Jun-26
DO (Zero pt)	Ø	mg/L	±0.1 mg/L	P			Macron	#000228049	8/26/2025
Turbidity (DI)	Ø	NTU	<2 NTU	P	N	NA	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature: [signature] Date: 8/20/25

Multiparameter Meter Field Calibration Checklist

Field Personnel:	AJW	Location:	Duck Creek
Weather:	Sunny 77°-83° 3mph Wind NE	Environment:	grassy, overgrown

Multiparameter Water Meter	Make: Hanna	Model: HI 9829	Serial Number: 09410009101
Water Level Meter	Make: Heron	Model: Dipper-T	Serial Number: 3717-T

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.06	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.00	s.u.	±0.1 s.u.	P	NO	N/A	MSI	025066-02	3/24/2027
pH 10.00a	10.05	s.u.	±0.1 s.u.	P	NO	N/A	MSI	025066-01	3/18/2027
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2017	µS/cm	±5%	P	NO	N/A	Proactive	4GJ1615	Oct-25
ORP	246	mV	±15 mV	P	NO	N/A	In-Situ	5GC1058	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1	P	NO	N/A	Macron	#000228049	8/26/2025
DO (Saturated)	100	%	97-100%	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) — Time: 9:50

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.05	s.u.	±0.15 s.u.	P	NO	Proactive	5GD0333	Apr-27
pH 7.00b	7.00	s.u.	±0.15 s.u.	P	NO	Proactive	5GC1678	Mar-27
pH 10.00b	10.01	s.u.	±0.15 s.u.	P	NO	Proactive	5GC1614	Mar-27
SC 1000	1050	µS/cm	±5%	P	NO	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): — Time: 14:00

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.00	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024145-01	5/29/2026
pH 10.00a	10.01	s.u.	±0.1 s.u.	P	NO	N/A	MSI	024072-02	3/21/2026
SC 1000	1041	µS/cm	±5%	P	NO	N/A	Reagents	8405243	Jun-26
DO (Zero pt)	0.0	mg/L	±0.1 mg/L	P	NO	N/A	Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	P	NO	N/A	Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:	Andy Wetzstein	Date:	08/20/25

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Kaleb Deskie	Location:	Duck Creek
Weather:	71° Sunny 6mph SW	Environment:	Grass

Multiparameter Water Meter	Make: Horiba	Model: U5000	Serial Number:	AGJTK4XG	
Water Level Meter	Make: Heron	Model: Dipper T	Serial Number:	3717-T	

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.64	s.u.	±0.1 s.u.	Fail	Yes	4.00	MSI	024140-01	5/21/2026
pH 7.00a	6.20	s.u.	±0.1 s.u.			7.00	MSI	025066-02	3/24/2027
pH 10.00a	9.73	s.u.	±0.1 s.u.			10.00	MSI	025066-01	3/18/2027
SC Zero (DI)	13.00	µS/cm	0<25 µS/cm	Pass	No	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1100	µS/cm	±5%	Fail	Yes	2000	Proactive	4GJ1615	Oct-25
ORP	231	mV	±15 mV	Pass	No	N/A	In-Situ	5GC1058	Dec-25
DO (Zero pt)	0.0	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.80	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification)

Time: 1003

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.83	s.u.	±0.15 s.u.	Fail	4.00	Proactive	5GD0333	Apr-27
pH 7.00b	8.19	s.u.	±0.15 s.u.		7.00	Proactive	5GC1678	Mar-27
pH 10.00b	10.14	s.u.	±0.15 s.u.		10.00	Proactive	5GC1614	Mar-27
SC 1000	1300	µS/cm	±5%		1000	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification):

Time: 1220

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.	Pass	No	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1000	µS/cm	±5%				Reagents	8405243	Jun-26
DO (Zero pt)	0.14	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1.10	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:		Date:	08/21/25

Multiparameter Meter Field Calibration Checklist

Field Personnel:	Jordan Bohannan	Location:	Duck Creek
Weather:	69°F, Sunny, 6mph wind	Environment:	Grassy

Multiparameter Water Meter	Make: Hanna	Model:	HI-9829	Serial Number:	08080027101
Water Level Meter	Make: Heron	Model:	Dipper T	Serial Number:	19FF 2111192HB

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	No	N/A	MSI	024140-01	5/21/2026
pH 7.00a	6.98	s.u.	±0.1 s.u.				MSI	025066-02	3/24/2027
pH 10.00a	10.01	s.u.	±0.1 s.u.				MSI	025066-01	3/18/2027
SC Zero (DI)	13	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1987	µS/cm	±5%				Proactive	4GJ1615	Oct-25
ORP	229.5	mV	±15 mV				In-Situ	5GC1058	Dec-25
DO (Zero pt)	0.00	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	100%	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

ICV (Initial Calibration Verification) Time: 0930

Buffer	Check Value	Units	Range	Pass/Fail	Action Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.02	s.u.	±0.15 s.u.	P	None	Proactive	5GD0333	Apr-27
pH 7.00b	6.99	s.u.	±0.15 s.u.	P	None	Proactive	5GC1678	Mar-27
pH 10.00b	10.03	s.u.	±0.15 s.u.	P	None	Proactive	5GC1614	Mar-27
SC 1000	1041	µS/cm	±5%	P	None	Reagents	8405243	Jun-26

Approx. every 8 hrs, unless only one well

CCV (Continued Calibration Verification): Time: 1230

Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	P	No	N/A	MSI	024140-01	5/21/2026
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	024145-01	5/29/2026
pH 10.00a	10.02	s.u.	±0.1 s.u.				MSI	024072-02	3/21/2026
SC 1000	1007	µS/cm	±5%				Reagents	8405243	Jun-26
DO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)

Approx. every 8 hrs, unless only one well

Comments:

Signature:	JBohannan	Date:	8/21/25

ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 3, 2025

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OM21	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.003	0.003
OM21	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/19/25	9	44	CI around mean	0.000847	0.0903
OM21	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around geomean	0.0147	0.353
OM21	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460
OM21	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	7.79	0.363
OM21	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760
OM21	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	223	12.8
OM21	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.004	0.140
OM21	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.002	0.0790
OM21	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/19/25	9	56	CI around median	0.25	0.25
OM21	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/19/25	9	67	CI around median	0.001	0.0710
OM21	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around median	0.04	0.140
OM21	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.0002	0.000240
OM21	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/19/25	9	0	CI around geomean	0.00162	0.00775
OM21	CGMS	E001	pH (field)	SU	01/12/23 - 08/19/25	12	0	CI around mean	6.6/6.9	6.0/6.9
OM21	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/19/25	9	0	CI around mean	0.404	2.53
OM21	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00440
OM21	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	997	2,300
OM21	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00100
OM21	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	2,420	4,200
OM22D	CGMS	E001	Antimony, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.003	0.003
OM22D	CGMS	E001	Arsenic, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.00275	0.0903
OM22D	CGMS	E001	Barium, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.0351	0.353
OM22D	CGMS	E001	Beryllium, total	mg/L	01/10/23 - 08/19/25	9	67	CI around median	0.001	0.00460
OM22D	CGMS	E001	Boron, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	48.7	0.363
OM22D	CGMS	E001	Cadmium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760
OM22D	CGMS	E001	Chloride, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	848	12.8

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OM22D	CGMS	E001	Chromium, total	mg/L	01/10/23 - 08/19/25	9	11	CI around mean	0.0111	0.140
OM22D	CGMS	E001	Cobalt, total	mg/L	01/10/23 - 08/19/25	9	11	CI around mean	0.00258	0.0790
OM22D	CGMS	E001	Fluoride, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.25	0.25
OM22D	CGMS	E001	Lead, total	mg/L	01/10/23 - 08/19/25	9	11	CI around geomean	0.00135	0.0710
OM22D	CGMS	E001	Lithium, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.0453	0.140
OM22D	CGMS	E001	Mercury, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.0002	0.000240
OM22D	CGMS	E001	Molybdenum, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.0902	0.00775
OM22D	CGMS	E001	pH (field)	SU	01/10/23 - 08/19/25	12	0	CI around mean	6.5/6.9	6.0/6.9
OM22D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/10/23 - 08/19/25	9	0	CI around mean	0.364	2.53
OM22D	CGMS	E001	Selenium, total	mg/L	01/10/23 - 08/19/25	9	67	CI around median	0.001	0.00440
OM22D	CGMS	E001	Sulfate, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	686	2,300
OM22D	CGMS	E001	Thallium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00100
OM22D	CGMS	E001	Total Dissolved Solids	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	3,100	4,200
OM23D	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.003	0.003
OM23D	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.00143	0.0903
OM23D	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.0267	0.353
OM23D	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460
OM23D	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	1.83	0.363
OM23D	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760
OM23D	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	25	12.8
OM23D	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/19/25	9	67	CI around median	0.004	0.140
OM23D	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.002	0.0790
OM23D	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.25	0.25
OM23D	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/19/25	9	56	CI around median	0.001	0.0710
OM23D	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.0338	0.140
OM23D	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.0002	0.000240
OM23D	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.00231	0.00775

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OM23D	CGMS	E001	pH (field)	SU	01/12/23 - 08/19/25	12	0	CI around mean	6.6/6.9	6.0/6.9
OM23D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/19/25	9	0	CI around mean	0.401	2.53
OM23D	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00440
OM23D	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	364	2,300
OM23D	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00100
OM23D	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/19/25	9	0	CI around median	1,100	4,200
OM24D	CGMS	E001	Antimony, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.003	0.003
OM24D	CGMS	E001	Arsenic, total	mg/L	01/10/23 - 08/19/25	9	0	CI around geomean	0.00345	0.0903
OM24D	CGMS	E001	Barium, total	mg/L	01/10/23 - 08/19/25	9	0	CI around median	0.014	0.353
OM24D	CGMS	E001	Beryllium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460
OM24D	CGMS	E001	Boron, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	19.3	0.363
OM24D	CGMS	E001	Cadmium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760
OM24D	CGMS	E001	Chloride, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	378	12.8
OM24D	CGMS	E001	Chromium, total	mg/L	01/10/23 - 08/19/25	9	89	CI around median	0.004	0.140
OM24D	CGMS	E001	Cobalt, total	mg/L	01/10/23 - 08/19/25	9	89	CI around median	0.002	0.0790
OM24D	CGMS	E001	Fluoride, total	mg/L	01/10/23 - 08/19/25	9	67	CB around T-S line	-0.831	0.25
OM24D	CGMS	E001	Lead, total	mg/L	01/10/23 - 08/19/25	9	67	CI around median	0.001	0.0710
OM24D	CGMS	E001	Lithium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.02	0.140
OM24D	CGMS	E001	Mercury, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.0002	0.000240
OM24D	CGMS	E001	Molybdenum, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	0.00433	0.00775
OM24D	CGMS	E001	pH (field)	SU	01/10/23 - 08/19/25	12	0	CI around mean	6.5/6.8	6.0/6.9
OM24D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/10/23 - 08/19/25	9	0	CI around mean	0.599	2.53
OM24D	CGMS	E001	Selenium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00440
OM24D	CGMS	E001	Sulfate, total	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	757	2,300
OM24D	CGMS	E001	Thallium, total	mg/L	01/10/23 - 08/19/25	9	100	All ND - Last	0.001	0.00100
OM24D	CGMS	E001	Total Dissolved Solids	mg/L	01/10/23 - 08/19/25	9	0	CI around mean	2,200	4,200
OM25S	CGMS	E001	Antimony, total	mg/L	01/10/23 - 08/20/25	9	100	All ND - Last	0.003	0.003

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OM25S	CGMS	E001	Arsenic, total	mg/L	01/10/23 - 08/20/25	9	11	CI around mean	-0.00121	0.0903
OM25S	CGMS	E001	Barium, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.00908	0.353
OM25S	CGMS	E001	Beryllium, total	mg/L	01/10/23 - 08/20/25	9	67	CI around median	0.001	0.00460
OM25S	CGMS	E001	Boron, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	25.4	0.363
OM25S	CGMS	E001	Cadmium, total	mg/L	01/10/23 - 08/20/25	9	100	All ND - Last	0.001	0.00760
OM25S	CGMS	E001	Chloride, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	541	12.8
OM25S	CGMS	E001	Chromium, total	mg/L	01/10/23 - 08/20/25	9	11	CI around mean	-0.000727	0.140
OM25S	CGMS	E001	Cobalt, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.00161	0.0790
OM25S	CGMS	E001	Fluoride, total	mg/L	01/10/23 - 08/20/25	9	89	CI around median	0.25	0.25
OM25S	CGMS	E001	Lead, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	-0.00307	0.0710
OM25S	CGMS	E001	Lithium, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.0481	0.140
OM25S	CGMS	E001	Mercury, total	mg/L	01/10/23 - 08/20/25	9	78	CI around median	0.0002	0.000240
OM25S	CGMS	E001	Molybdenum, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	0.00189	0.00775
OM25S	CGMS	E001	pH (field)	SU	01/10/23 - 08/20/25	12	0	CI around mean	6.5/6.8	6.0/6.9
OM25S	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/10/23 - 08/20/25	9	0	CI around geomean	1.39	2.53
OM25S	CGMS	E001	Selenium, total	mg/L	01/10/23 - 08/20/25	9	56	CI around median	0.001	0.00440
OM25S	CGMS	E001	Sulfate, total	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	665	2,300
OM25S	CGMS	E001	Thallium, total	mg/L	01/10/23 - 08/20/25	9	89	CI around median	0.001	0.00100
OM25S	CGMS	E001	Total Dissolved Solids	mg/L	01/10/23 - 08/20/25	9	0	CI around mean	2,560	4,200
OM25D	CGMS	E001	Antimony, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.003	0.003
OM25D	CGMS	E001	Arsenic, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.0048	0.0903
OM25D	CGMS	E001	Barium, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.096	0.353
OM25D	CGMS	E001	Beryllium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.00460
OM25D	CGMS	E001	Boron, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	3.7	0.363
OM25D	CGMS	E001	Cadmium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.00760
OM25D	CGMS	E001	Chloride, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	280	12.8
OM25D	CGMS	E001	Chromium, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.022	0.140

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OM25D	CGMS	E001	Cobalt, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.015	0.0790
OM25D	CGMS	E001	Fluoride, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.25	0.25
OM25D	CGMS	E001	Lead, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.0074	0.0710
OM25D	CGMS	E001	Lithium, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.069	0.140
OM25D	CGMS	E001	Mercury, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.0002	0.000240
OM25D	CGMS	E001	Molybdenum, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	0.0022	0.00775
OM25D	CGMS	E001	pH (field)	SU	08/20/25 - 08/20/25	1	0	Most recent sample	6.7/6.7	6.0/6.9
OM25D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	08/20/25 - 08/20/25	1	0	Most recent sample	4.71	2.53
OM25D	CGMS	E001	Selenium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.00440
OM25D	CGMS	E001	Sulfate, total	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	650	2,300
OM25D	CGMS	E001	Thallium, total	mg/L	08/20/25 - 08/20/25	1	100	All ND - Last	0.001	0.00100
OM25D	CGMS	E001	Total Dissolved Solids	mg/L	08/20/25 - 08/20/25	1	0	Most recent sample	1,600	4,200
OR03D	CGMS	E001	Antimony, total	mg/L	01/11/23 - 08/20/25	9	100	All ND - Last	0.003	0.003
OR03D	CGMS	E001	Arsenic, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.00385	0.0903
OR03D	CGMS	E001	Barium, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.0663	0.353
OR03D	CGMS	E001	Beryllium, total	mg/L	01/11/23 - 08/20/25	9	56	CI around median	0.001	0.00460
OR03D	CGMS	E001	Boron, total	mg/L	01/11/23 - 08/20/25	9	0	CB around linear reg	30.8	0.363
OR03D	CGMS	E001	Cadmium, total	mg/L	01/11/23 - 08/20/25	9	89	CI around median	0.001	0.00760
OR03D	CGMS	E001	Chloride, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	833	12.8
OR03D	CGMS	E001	Chromium, total	mg/L	01/11/23 - 08/20/25	9	11	CI around geomean	0.00853	0.140
OR03D	CGMS	E001	Cobalt, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.00465	0.0790
OR03D	CGMS	E001	Fluoride, total	mg/L	01/11/23 - 08/20/25	9	89	CI around median	0.25	0.25
OR03D	CGMS	E001	Lead, total	mg/L	01/11/23 - 08/20/25	9	0	CI around geomean	0.00358	0.0710
OR03D	CGMS	E001	Lithium, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	0.0299	0.140
OR03D	CGMS	E001	Mercury, total	mg/L	01/11/23 - 08/20/25	9	100	All ND - Last	0.0002	0.000240
OR03D	CGMS	E001	Molybdenum, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	0.00405	0.00775
OR03D	CGMS	E001	pH (field)	SU	01/11/23 - 08/20/25	12	0	CI around mean	6.4/6.9	6.0/6.9

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OR03D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/11/23 - 08/20/25	9	0	CI around geomean	1.73	2.53
OR03D	CGMS	E001	Selenium, total	mg/L	01/11/23 - 08/20/25	9	33	CI around median	0.001	0.00440
OR03D	CGMS	E001	Sulfate, total	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	508	2,300
OR03D	CGMS	E001	Thallium, total	mg/L	01/11/23 - 08/20/25	9	100	All ND - Last	0.001	0.00100
OR03D	CGMS	E001	Total Dissolved Solids	mg/L	01/11/23 - 08/20/25	9	0	CI around mean	3,440	4,200
OR04D	CGMS	E001	Antimony, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.003	0.003
OR04D	CGMS	E001	Arsenic, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.00255	0.0903
OR04D	CGMS	E001	Barium, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.0283	0.353
OR04D	CGMS	E001	Beryllium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00460
OR04D	CGMS	E001	Boron, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	55.5	0.363
OR04D	CGMS	E001	Cadmium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00760
OR04D	CGMS	E001	Chloride, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	740	12.8
OR04D	CGMS	E001	Chromium, total	mg/L	01/11/23 - 08/21/25	9	11	CI around geomean	0.00373	0.140
OR04D	CGMS	E001	Cobalt, total	mg/L	01/11/23 - 08/21/25	9	22	CI around mean	0.00214	0.0790
OR04D	CGMS	E001	Fluoride, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.25	0.25
OR04D	CGMS	E001	Lead, total	mg/L	01/11/23 - 08/21/25	9	11	CI around mean	-0.0000986	0.0710
OR04D	CGMS	E001	Lithium, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.0602	0.140
OR04D	CGMS	E001	Mercury, total	mg/L	01/11/23 - 08/21/25	9	89	CI around median	0.0002	0.000240
OR04D	CGMS	E001	Molybdenum, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.00377	0.00775
OR04D	CGMS	E001	pH (field)	SU	01/11/23 - 08/21/25	12	0	CI around median	6.3/6.9	6.0/6.9
OR04D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/11/23 - 08/21/25	9	0	CI around mean	0.651	2.53
OR04D	CGMS	E001	Selenium, total	mg/L	01/11/23 - 08/21/25	9	89	CI around median	0.001	0.00440
OR04D	CGMS	E001	Sulfate, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	964	2,300
OR04D	CGMS	E001	Thallium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00100
OR04D	CGMS	E001	Total Dissolved Solids	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	3,330	4,200
OR06A	CGMS	E001	Antimony, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.003	0.003
OR06A	CGMS	E001	Arsenic, total	mg/L	01/11/23 - 08/21/25	9	0	CI around median	0.0093	0.0903

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OR06A	CGMS	E001	Barium, total	mg/L	01/11/23 - 08/21/25	9	0	CB around T-S line	-0.0699	0.353
OR06A	CGMS	E001	Beryllium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00460
OR06A	CGMS	E001	Boron, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	38.9	0.363
OR06A	CGMS	E001	Cadmium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00760
OR06A	CGMS	E001	Chloride, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	351	12.8
OR06A	CGMS	E001	Chromium, total	mg/L	01/11/23 - 08/21/25	9	67	CI around median	0.004	0.140
OR06A	CGMS	E001	Cobalt, total	mg/L	01/11/23 - 08/21/25	9	33	CI around mean	0.0013	0.0790
OR06A	CGMS	E001	Fluoride, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.25	0.25
OR06A	CGMS	E001	Lead, total	mg/L	01/11/23 - 08/21/25	9	56	CI around median	0.001	0.0710
OR06A	CGMS	E001	Lithium, total	mg/L	01/11/23 - 08/21/25	9	89	CI around median	0.02	0.140
OR06A	CGMS	E001	Mercury, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.0002	0.000240
OR06A	CGMS	E001	Molybdenum, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	0.0356	0.00775
OR06A	CGMS	E001	pH (field)	SU	01/11/23 - 08/21/25	12	0	CI around mean	6.6/6.8	6.0/6.9
OR06A	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/11/23 - 08/21/25	9	0	CI around mean	0.468	2.53
OR06A	CGMS	E001	Selenium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00440
OR06A	CGMS	E001	Sulfate, total	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	481	2,300
OR06A	CGMS	E001	Thallium, total	mg/L	01/11/23 - 08/21/25	9	100	All ND - Last	0.001	0.00100
OR06A	CGMS	E001	Total Dissolved Solids	mg/L	01/11/23 - 08/21/25	9	0	CI around mean	2,120	4,200
OR13D	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.003	0.003
OR13D	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/19/25	9	0	CI around median	0.004	0.0903
OR13D	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/19/25	9	0	CB around T-S line	-0.0575	0.353
OR13D	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00460
OR13D	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	1.71	0.363
OR13D	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00760
OR13D	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	40.9	12.8
OR13D	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.004	0.140
OR13D	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.002	0.0790

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OR13D	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/19/25	9	22	CI around mean	0.249	0.25
OR13D	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/19/25	9	78	CI around median	0.001	0.0710
OR13D	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.0256	0.140
OR13D	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.0002	0.000240
OR13D	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	0.00732	0.00775
OR13D	CGMS	E001	pH (field)	SU	01/12/23 - 08/19/25	12	0	CI around mean	6.6/7.2	6.0/6.9
OR13D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/19/25	9	0	CI around geomean	0.541	2.53
OR13D	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/19/25	9	89	CI around median	0.001	0.00440
OR13D	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/19/25	9	0	CI around median	280	2,300
OR13D	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/19/25	9	100	All ND - Last	0.001	0.00100
OR13D	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/19/25	9	0	CI around mean	964	4,200
OR14D	CGMS	E001	Antimony, total	mg/L	01/12/23 - 08/21/25	9	100	All ND - Last	0.003	0.003
OR14D	CGMS	E001	Arsenic, total	mg/L	01/12/23 - 08/21/25	9	0	CI around geomean	0.00215	0.0903
OR14D	CGMS	E001	Barium, total	mg/L	01/12/23 - 08/21/25	9	0	CI around geomean	0.021	0.353
OR14D	CGMS	E001	Beryllium, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.001	0.00460
OR14D	CGMS	E001	Boron, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	13.1	0.363
OR14D	CGMS	E001	Cadmium, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.001	0.00760
OR14D	CGMS	E001	Chloride, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	225	12.8
OR14D	CGMS	E001	Chromium, total	mg/L	01/12/23 - 08/21/25	9	56	CI around median	0.004	0.140
OR14D	CGMS	E001	Cobalt, total	mg/L	01/12/23 - 08/21/25	9	67	CI around median	0.002	0.0790
OR14D	CGMS	E001	Fluoride, total	mg/L	01/12/23 - 08/21/25	9	44	CI around mean	0.249	0.25
OR14D	CGMS	E001	Lead, total	mg/L	01/12/23 - 08/21/25	9	44	CI around geomean	0.000904	0.0710
OR14D	CGMS	E001	Lithium, total	mg/L	01/12/23 - 08/21/25	9	11	CI around mean	0.0106	0.140
OR14D	CGMS	E001	Mercury, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.0002	0.000240
OR14D	CGMS	E001	Molybdenum, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	0.00357	0.00775
OR14D	CGMS	E001	pH (field)	SU	01/12/23 - 08/21/25	12	0	CI around mean	6.6/7.1	6.0/6.9
OR14D	CGMS	E001	Radium 226 + Radium 228, total	pCi/L	01/12/23 - 08/21/25	9	0	CI around mean	0.361	2.53

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
DUCK CREEK POWER PLANT
ASH POND NO. 1 AND ASH POND NO. 2
CANTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OR14D	CGMS	E001	Selenium, total	mg/L	01/12/23 - 08/21/25	9	78	CI around median	0.001	0.00440
OR14D	CGMS	E001	Sulfate, total	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	651	2,300
OR14D	CGMS	E001	Thallium, total	mg/L	01/12/23 - 08/21/25	9	100	All ND - Last	0.001	0.00100
OR14D	CGMS	E001	Total Dissolved Solids	mg/L	01/12/23 - 08/21/25	9	0	CI around mean	1,930	4,200

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) as part of Illinois Power Resources Generating, LLC's (IPRG's) operating permit application for the Ash Pond No. 1 and Ash Pond No. 2. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPRG has not identified any actual exceedances.

Events:
E001 = Quarter 3, 2025 sampling event
HSU = hydrostratigraphic unit:
CGMS = Coarse-Grained Mine Spoils
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 linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data.
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
For pH, the values presented are the lower / upper limits of the background determination