



Kincaid Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

February 25, 2025

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

Re: Kincaid Power Plant Ash Pond; IEPA ID # W0218140002-01

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Kincaid Generation, LLC is submitting groundwater monitoring data for the Quarter 4, 2024 sampling event at the Kincaid Power Plant Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W0218140002-01. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ of the GWPS.

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).

A Corrective Measures Assessment (CMA) for the Ash Pond was initiated on December 13, 2023, completed, and submitted to IEPA on May 12, 2024 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan, which will ultimately select a remedy to address all releases from the Ash Pond. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before May 12, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,

A handwritten signature in blue ink, appearing to read "Phil Morris", is written over a light blue horizontal line.

Phil Morris, PE
Senior Director, Environmental

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 4, 2024 Ash Pond, Kincaid Power Plant, Kincaid, Illinois

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Kincaid Generation, LLC operating permit application for Kincaid Power Plant Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Kincaid Generation, LLC has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 4, 2024
ASH POND, KINCAID POWER PLANT, KINCAID, ILLINOIS

February 25, 2025

Samples were collected between November 18 and 19, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on December 27, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2024 sampling event. **Table 1** is a summary of the field parameters and analytical results. Monitoring wells MW-8S and MW-27 were purged dry; therefore, groundwater samples were not collected from for this sampling event. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 4, 2024 sampling event.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan², constituent concentrations observed at compliance monitoring wells in Quarter 4, 2024 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

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

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 4, 2024
Table 2	Evaluation of Compliance - Quarter 4, 2024

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 4, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 4, 2024
Attachment C	Comparison to Background - Quarter 4, 2024

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Kincaid Generation, LLC operating permit application for Kincaid Power Plant Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Kincaid Generation, LLC has not identified any actual exceedances.

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. Ash Pond. Kincaid Power Plant. Kincaid, Illinois. October 25, 2021.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-1	Background	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-1	Background	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-1	Background	E007	11/18/2024	Barium, total	0.0553	mg/L
MW-1	Background	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-1	Background	E007	11/18/2024	Boron, total	0.300	mg/L
MW-1	Background	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-1	Background	E007	11/18/2024	Calcium, total	56.6	mg/L
MW-1	Background	E007	11/18/2024	Chloride, total	13.6	mg/L
MW-1	Background	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-1	Background	E007	11/18/2024	Cobalt, total	0.0001 J	mg/L
MW-1	Background	E007	11/18/2024	Dissolved Oxygen	2.16	mg/L
MW-1	Background	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-1	Background	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-1	Background	E007	11/18/2024	Lithium, total	0.0019 J	mg/L
MW-1	Background	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-1	Background	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-1	Background	E007	11/18/2024	Oxidation Reduction Potential	93.0	mV
MW-1	Background	E007	11/18/2024	pH (field)	6.4	SU
MW-1	Background	E007	11/18/2024	Radium 226 + Radium 228, total	0.0144	pCi/L
MW-1	Background	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-1	Background	E007	11/18/2024	Specific Conductance @ 25C (field)	451	micromhos/cm
MW-1	Background	E007	11/18/2024	Sulfate, total	87.0	mg/L
MW-1	Background	E007	11/18/2024	Temperature	17.2	degrees C
MW-1	Background	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-1	Background	E007	11/18/2024	Total Dissolved Solids	374	mg/L
MW-1	Background	E007	11/18/2024	Turbidity, field	300	NTU
MW-2	Background	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-2	Background	E007	11/18/2024	Arsenic, total	0.00150	mg/L
MW-2	Background	E007	11/18/2024	Barium, total	0.117	mg/L
MW-2	Background	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-2	Background	E007	11/18/2024	Boron, total	0.0715	mg/L
MW-2	Background	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-2	Background	E007	11/18/2024	Calcium, total	97.1	mg/L
MW-2	Background	E007	11/18/2024	Chloride, total	14.2	mg/L
MW-2	Background	E007	11/18/2024	Chromium, total	0.0014 J	mg/L
MW-2	Background	E007	11/18/2024	Cobalt, total	0.0006 J	mg/L
MW-2	Background	E007	11/18/2024	Dissolved Oxygen	2.36	mg/L
MW-2	Background	E007	11/18/2024	Fluoride, total	0.38 J	mg/L
MW-2	Background	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-2	Background	E007	11/18/2024	Lithium, total	0.00480	mg/L
MW-2	Background	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-2	Background	E007	11/18/2024	Molybdenum, total	0.00430	mg/L
MW-2	Background	E007	11/18/2024	Oxidation Reduction Potential	-72.0	mV
MW-2	Background	E007	11/18/2024	pH (field)	7.0	SU
MW-2	Background	E007	11/18/2024	Radium 226 + Radium 228, total	0.757	pCi/L
MW-2	Background	E007	11/18/2024	Selenium, total	0.0006 U	mg/L

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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-2	Background	E007	11/18/2024	Specific Conductance @ 25C (field)	647	micromhos/cm
MW-2	Background	E007	11/18/2024	Sulfate, total	136	mg/L
MW-2	Background	E007	11/18/2024	Temperature	15.3	degrees C
MW-2	Background	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-2	Background	E007	11/18/2024	Total Dissolved Solids	560	mg/L
MW-2	Background	E007	11/18/2024	Turbidity, field	66.0	NTU
MW-3	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-3	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-3	Compliance	E007	11/18/2024	Barium, total	0.0426	mg/L
MW-3	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-3	Compliance	E007	11/18/2024	Boron, total	1.63	mg/L
MW-3	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-3	Compliance	E007	11/18/2024	Calcium, total	91.9	mg/L
MW-3	Compliance	E007	11/18/2024	Chloride, total	28.3	mg/L
MW-3	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-3	Compliance	E007	11/18/2024	Cobalt, total	0.0005 J	mg/L
MW-3	Compliance	E007	11/18/2024	Dissolved Oxygen	1.70	mg/L
MW-3	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-3	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Lithium, total	0.0022 J	mg/L
MW-3	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Oxidation Reduction Potential	16.0	mV
MW-3	Compliance	E007	11/18/2024	pH (field)	6.7	SU
MW-3	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.0257	pCi/L
MW-3	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	786	micromhos/cm
MW-3	Compliance	E007	11/18/2024	Sulfate, total	126	mg/L
MW-3	Compliance	E007	11/18/2024	Temperature	15.7	degrees C
MW-3	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-3	Compliance	E007	11/18/2024	Total Dissolved Solids	606	mg/L
MW-3	Compliance	E007	11/18/2024	Turbidity, field	1.30	NTU
MW-5	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-5	Compliance	E007	11/19/2024	Arsenic, total	0.00190	mg/L
MW-5	Compliance	E007	11/19/2024	Barium, total	0.245	mg/L
MW-5	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-5	Compliance	E007	11/19/2024	Boron, total	0.699	mg/L
MW-5	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-5	Compliance	E007	11/19/2024	Calcium, total	161	mg/L
MW-5	Compliance	E007	11/19/2024	Chloride, total	42.6	mg/L
MW-5	Compliance	E007	11/19/2024	Chromium, total	0.0007 J	mg/L
MW-5	Compliance	E007	11/19/2024	Cobalt, total	0.00140	mg/L
MW-5	Compliance	E007	11/19/2024	Dissolved Oxygen	1.93	mg/L
MW-5	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-5	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-5	Compliance	E007	11/19/2024	Lithium, total	0.00370	mg/L

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MW-5	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-5	Compliance	E007	11/19/2024	Molybdenum, total	0.0011 J	mg/L
MW-5	Compliance	E007	11/19/2024	Oxidation Reduction Potential	24.0	mV
MW-5	Compliance	E007	11/19/2024	pH (field)	6.5	SU
MW-5	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.177	pCi/L
MW-5	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-5	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
MW-5	Compliance	E007	11/19/2024	Sulfate, total	10.0	mg/L
MW-5	Compliance	E007	11/19/2024	Temperature	16.4	degrees C
MW-5	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-5	Compliance	E007	11/19/2024	Total Dissolved Solids	740	mg/L
MW-5	Compliance	E007	11/19/2024	Turbidity, field	3.70	NTU
MW-6	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-6	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-6	Compliance	E007	11/18/2024	Barium, total	0.0414	mg/L
MW-6	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-6	Compliance	E007	11/18/2024	Boron, total	1.32	mg/L
MW-6	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-6	Compliance	E007	11/18/2024	Calcium, total	91.8	mg/L
MW-6	Compliance	E007	11/18/2024	Chloride, total	3.2 J	mg/L
MW-6	Compliance	E007	11/18/2024	Chromium, total	0.0011 J	mg/L
MW-6	Compliance	E007	11/18/2024	Cobalt, total	0.0001 J	mg/L
MW-6	Compliance	E007	11/18/2024	Dissolved Oxygen	4.44	mg/L
MW-6	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-6	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Lithium, total	0.0015 U	mg/L
MW-6	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Oxidation Reduction Potential	102	mV
MW-6	Compliance	E007	11/18/2024	pH (field)	6.3	SU
MW-6	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.107	pCi/L
MW-6	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	733	micromhos/cm
MW-6	Compliance	E007	11/18/2024	Sulfate, total	149	mg/L
MW-6	Compliance	E007	11/18/2024	Temperature	16.2	degrees C
MW-6	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-6	Compliance	E007	11/18/2024	Total Dissolved Solids	552	mg/L
MW-6	Compliance	E007	11/18/2024	Turbidity, field	6.60	NTU
MW-7	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-7	Compliance	E007	11/18/2024	Arsenic, total	0.00310	mg/L
MW-7	Compliance	E007	11/18/2024	Barium, total	0.0667	mg/L
MW-7	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-7	Compliance	E007	11/18/2024	Boron, total	0.651	mg/L
MW-7	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-7	Compliance	E007	11/18/2024	Calcium, total	174	mg/L
MW-7	Compliance	E007	11/18/2024	Chloride, total	3.5 J	mg/L

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845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-7	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-7	Compliance	E007	11/18/2024	Cobalt, total	0.00220	mg/L
MW-7	Compliance	E007	11/18/2024	Dissolved Oxygen	0.680	mg/L
MW-7	Compliance	E007	11/18/2024	Fluoride, total	0.25 J	mg/L
MW-7	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-7	Compliance	E007	11/18/2024	Lithium, total	0.00410	mg/L
MW-7	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-7	Compliance	E007	11/18/2024	Molybdenum, total	0.00170	mg/L
MW-7	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-72.0	mV
MW-7	Compliance	E007	11/18/2024	pH (field)	6.6	SU
MW-7	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.465	pCi/L
MW-7	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-7	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,310	micromhos/cm
MW-7	Compliance	E007	11/18/2024	Sulfate, total	417	mg/L
MW-7	Compliance	E007	11/18/2024	Temperature	15.7	degrees C
MW-7	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-7	Compliance	E007	11/18/2024	Total Dissolved Solids	1,110	mg/L
MW-7	Compliance	E007	11/18/2024	Turbidity, field	9.20	NTU
MW-7S	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Arsenic, total	0.00960	mg/L
MW-7S	Compliance	E007	11/18/2024	Barium, total	0.0393	mg/L
MW-7S	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Boron, total	4.66	mg/L
MW-7S	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Calcium, total	175	mg/L
MW-7S	Compliance	E007	11/18/2024	Chloride, total	6.75	mg/L
MW-7S	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Cobalt, total	0.00120	mg/L
MW-7S	Compliance	E007	11/18/2024	Dissolved Oxygen	2.36	mg/L
MW-7S	Compliance	E007	11/18/2024	Fluoride, total	0.25 J	mg/L
MW-7S	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Lithium, total	0.0015 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Molybdenum, total	0.00150 J	mg/L
MW-7S	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-59.0	mV
MW-7S	Compliance	E007	11/18/2024	pH (field)	6.5	SU
MW-7S	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.168	pCi/L
MW-7S	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,500	micromhos/cm
MW-7S	Compliance	E007	11/18/2024	Sulfate, total	547	mg/L
MW-7S	Compliance	E007	11/18/2024	Temperature	16.9	degrees C
MW-7S	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Total Dissolved Solids	1,290	mg/L
MW-7S	Compliance	E007	11/18/2024	Turbidity, field	9.10	NTU
MW-8	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-8	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L

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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8	Compliance	E007	11/18/2024	Barium, total	0.0287	mg/L
MW-8	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-8	Compliance	E007	11/18/2024	Boron, total	1.04	mg/L
MW-8	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-8	Compliance	E007	11/18/2024	Calcium, total	144	mg/L
MW-8	Compliance	E007	11/18/2024	Chloride, total	19.6	mg/L
MW-8	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-8	Compliance	E007	11/18/2024	Cobalt, total	0.00140	mg/L
MW-8	Compliance	E007	11/18/2024	Dissolved Oxygen	1.01	mg/L
MW-8	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-8	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Lithium, total	0.002 J	mg/L
MW-8	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Oxidation Reduction Potential	20.0	mV
MW-8	Compliance	E007	11/18/2024	pH (field)	6.4	SU
MW-8	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.116	pCi/L
MW-8	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,110	micromhos/cm
MW-8	Compliance	E007	11/18/2024	Sulfate, total	201	mg/L
MW-8	Compliance	E007	11/18/2024	Temperature	15.8	degrees C
MW-8	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-8	Compliance	E007	11/18/2024	Total Dissolved Solids	1,040	mg/L
MW-8	Compliance	E007	11/18/2024	Turbidity, field	5.10	NTU
MW-8S	Compliance	E007	--	Antimony, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Arsenic, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Barium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Beryllium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Boron, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Cadmium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Calcium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Chloride, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Chromium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Cobalt, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Dissolved Oxygen	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Fluoride, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Lead, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Lithium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Mercury, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Molybdenum, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Oxidation Reduction Potential	NS ⁷	mV
MW-8S	Compliance	E007	--	pH (field)	NS ⁷	SU
MW-8S	Compliance	E007	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
MW-8S	Compliance	E007	--	Selenium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
MW-8S	Compliance	E007	--	Sulfate, total	NS ⁷	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8S	Compliance	E007	--	Temperature	NS ⁷	degrees C
MW-8S	Compliance	E007	--	Thallium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Total Dissolved Solids	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Turbidity, field	NS ⁷	NTU
MW-11	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-11	Compliance	E007	11/18/2024	Arsenic, total	0.0006 J	mg/L
MW-11	Compliance	E007	11/18/2024	Barium, total	0.116	mg/L
MW-11	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-11	Compliance	E007	11/18/2024	Boron, total	1.35	mg/L
MW-11	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-11	Compliance	E007	11/18/2024	Calcium, total	98.4	mg/L
MW-11	Compliance	E007	11/18/2024	Chloride, total	25.2	mg/L
MW-11	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-11	Compliance	E007	11/18/2024	Cobalt, total	0.0003 J	mg/L
MW-11	Compliance	E007	11/18/2024	Dissolved Oxygen	2.32	mg/L
MW-11	Compliance	E007	11/18/2024	Fluoride, total	0.41 J	mg/L
MW-11	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-11	Compliance	E007	11/18/2024	Lithium, total	0.0023 J	mg/L
MW-11	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-11	Compliance	E007	11/18/2024	Molybdenum, total	0.00200	mg/L
MW-11	Compliance	E007	11/18/2024	Oxidation Reduction Potential	55.0	mV
MW-11	Compliance	E007	11/18/2024	pH (field)	6.7	SU
MW-11	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.506	pCi/L
MW-11	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-11	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	804	micromhos/cm
MW-11	Compliance	E007	11/18/2024	Sulfate, total	89.3	mg/L
MW-11	Compliance	E007	11/18/2024	Temperature	17.6	degrees C
MW-11	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-11	Compliance	E007	11/18/2024	Total Dissolved Solids	554	mg/L
MW-11	Compliance	E007	11/18/2024	Turbidity, field	3.70	NTU
MW-12	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-12	Compliance	E007	11/19/2024	Arsenic, total	0.00140	mg/L
MW-12	Compliance	E007	11/19/2024	Barium, total	0.103	mg/L
MW-12	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-12	Compliance	E007	11/19/2024	Boron, total	3.88	mg/L
MW-12	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-12	Compliance	E007	11/19/2024	Calcium, total	196	mg/L
MW-12	Compliance	E007	11/19/2024	Chloride, total	29.5	mg/L
MW-12	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-12	Compliance	E007	11/19/2024	Cobalt, total	0.0001 J	mg/L
MW-12	Compliance	E007	11/19/2024	Dissolved Oxygen	1.55	mg/L
MW-12	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-12	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-12	Compliance	E007	11/19/2024	Lithium, total	0.0138	mg/L
MW-12	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-12	Compliance	E007	11/19/2024	Molybdenum, total	0.0013 J	mg/L

TABLE 1.
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ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-12	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-60.0	mV
MW-12	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-12	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.184	pCi/L
MW-12	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-12	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,280	micromhos/cm
MW-12	Compliance	E007	11/19/2024	Sulfate, total	348	mg/L
MW-12	Compliance	E007	11/19/2024	Temperature	16.8	degrees C
MW-12	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-12	Compliance	E007	11/19/2024	Total Dissolved Solids	952	mg/L
MW-12	Compliance	E007	11/19/2024	Turbidity, field	41.0	NTU
MW-20	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-20	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-20	Compliance	E007	11/18/2024	Barium, total	0.0888	mg/L
MW-20	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-20	Compliance	E007	11/18/2024	Boron, total	0.794	mg/L
MW-20	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-20	Compliance	E007	11/18/2024	Calcium, total	122	mg/L
MW-20	Compliance	E007	11/18/2024	Chloride, total	19.8	mg/L
MW-20	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-20	Compliance	E007	11/18/2024	Cobalt, total	0.0002 J	mg/L
MW-20	Compliance	E007	11/18/2024	Dissolved Oxygen	1.68	mg/L
MW-20	Compliance	E007	11/18/2024	Fluoride, total	0.27 J	mg/L
MW-20	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-20	Compliance	E007	11/18/2024	Lithium, total	0.00470	mg/L
MW-20	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-20	Compliance	E007	11/18/2024	Molybdenum, total	0.00290	mg/L
MW-20	Compliance	E007	11/18/2024	Oxidation Reduction Potential	22.0	mV
MW-20	Compliance	E007	11/18/2024	pH (field)	6.8	SU
MW-20	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.64	pCi/L
MW-20	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-20	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
MW-20	Compliance	E007	11/18/2024	Sulfate, total	158	mg/L
MW-20	Compliance	E007	11/18/2024	Temperature	16.2	degrees C
MW-20	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-20	Compliance	E007	11/18/2024	Total Dissolved Solids	742	mg/L
MW-20	Compliance	E007	11/18/2024	Turbidity, field	160	NTU
MW-20S	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Arsenic, total	0.00110	mg/L
MW-20S	Compliance	E007	11/19/2024	Barium, total	0.0370	mg/L
MW-20S	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Boron, total	1.84	mg/L
MW-20S	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Calcium, total	169	mg/L
MW-20S	Compliance	E007	11/19/2024	Chloride, total	19.7	mg/L
MW-20S	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Cobalt, total	0.0002 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-20S	Compliance	E007	11/19/2024	Dissolved Oxygen	2.41	mg/L
MW-20S	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Lithium, total	0.0015 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Molybdenum, total	0.0006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Oxidation Reduction Potential	43.0	mV
MW-20S	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-20S	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.6	pCi/L
MW-20S	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,060	micromhos/cm
MW-20S	Compliance	E007	11/19/2024	Sulfate, total	280	mg/L
MW-20S	Compliance	E007	11/19/2024	Temperature	17.1	degrees C
MW-20S	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Total Dissolved Solids	956	mg/L
MW-20S	Compliance	E007	11/19/2024	Turbidity, field	3.90	NTU
MW-23	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-23	Compliance	E007	11/18/2024	Arsenic, total	0.00270	mg/L
MW-23	Compliance	E007	11/18/2024	Barium, total	0.104	mg/L
MW-23	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-23	Compliance	E007	11/18/2024	Boron, total	2.22	mg/L
MW-23	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-23	Compliance	E007	11/18/2024	Calcium, total	106	mg/L
MW-23	Compliance	E007	11/18/2024	Chloride, total	23.8	mg/L
MW-23	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-23	Compliance	E007	11/18/2024	Cobalt, total	0.00110	mg/L
MW-23	Compliance	E007	11/18/2024	Dissolved Oxygen	1.84	mg/L
MW-23	Compliance	E007	11/18/2024	Fluoride, total	0.28 J	mg/L
MW-23	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-23	Compliance	E007	11/18/2024	Lithium, total	0.0015 U	mg/L
MW-23	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-23	Compliance	E007	11/18/2024	Molybdenum, total	0.0007 J	mg/L
MW-23	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-130	mV
MW-23	Compliance	E007	11/18/2024	pH (field)	6.7	SU
MW-23	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.132	pCi/L
MW-23	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-23	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	851	micromhos/cm
MW-23	Compliance	E007	11/18/2024	Sulfate, total	37.1	mg/L
MW-23	Compliance	E007	11/18/2024	Temperature	15.8	degrees C
MW-23	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-23	Compliance	E007	11/18/2024	Total Dissolved Solids	630	mg/L
MW-23	Compliance	E007	11/18/2024	Turbidity, field	2.20	NTU
MW-27	Compliance	E007	--	Antimony, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Arsenic, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Barium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Beryllium, total	NS ⁷	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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ASH POND
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-27	Compliance	E007	--	Boron, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Cadmium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Calcium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Chloride, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Chromium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Cobalt, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Dissolved Oxygen	NS ⁷	mg/L
MW-27	Compliance	E007	--	Fluoride, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Lead, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Lithium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Mercury, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Molybdenum, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Oxidation Reduction Potential	NS ⁷	mV
MW-27	Compliance	E007	--	pH (field)	NS ⁷	SU
MW-27	Compliance	E007	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
MW-27	Compliance	E007	--	Selenium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
MW-27	Compliance	E007	--	Sulfate, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Temperature	NS ⁷	degrees C
MW-27	Compliance	E007	--	Thallium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Total Dissolved Solids	NS ⁷	mg/L
MW-27	Compliance	E007	--	Turbidity, field	NS ⁷	NTU
MW-28	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-28	Compliance	E007	11/19/2024	Arsenic, total	0.0005 J	mg/L
MW-28	Compliance	E007	11/19/2024	Barium, total	0.0314	mg/L
MW-28	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-28	Compliance	E007	11/19/2024	Boron, total	8.14	mg/L
MW-28	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-28	Compliance	E007	11/19/2024	Calcium, total	239	mg/L
MW-28	Compliance	E007	11/19/2024	Chloride, total	7.54	mg/L
MW-28	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-28	Compliance	E007	11/19/2024	Cobalt, total	0.0007 J	mg/L
MW-28	Compliance	E007	11/19/2024	Dissolved Oxygen	1.75	mg/L
MW-28	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-28	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Lithium, total	0.00580	mg/L
MW-28	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Molybdenum, total	0.0006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Oxidation Reduction Potential	76.0	mV
MW-28	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-28	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.431	pCi/L
MW-28	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
MW-28	Compliance	E007	11/19/2024	Sulfate, total	815	mg/L
MW-28	Compliance	E007	11/19/2024	Temperature	16.3	degrees C
MW-28	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-28	Compliance	E007	11/19/2024	Total Dissolved Solids	1,810 J	mg/L
MW-28	Compliance	E007	11/19/2024	Turbidity, field	5.90	NTU
MW-30	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-30	Compliance	E007	11/19/2024	Arsenic, total	0.0211	mg/L
MW-30	Compliance	E007	11/19/2024	Barium, total	0.192	mg/L
MW-30	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-30	Compliance	E007	11/19/2024	Boron, total	1.14	mg/L
MW-30	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-30	Compliance	E007	11/19/2024	Calcium, total	108	mg/L
MW-30	Compliance	E007	11/19/2024	Chloride, total	36.7	mg/L
MW-30	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-30	Compliance	E007	11/19/2024	Cobalt, total	0.00240	mg/L
MW-30	Compliance	E007	11/19/2024	Dissolved Oxygen	1.71	mg/L
MW-30	Compliance	E007	11/19/2024	Fluoride, total	0.29 J	mg/L
MW-30	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-30	Compliance	E007	11/19/2024	Lithium, total	0.0015 U	mg/L
MW-30	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-30	Compliance	E007	11/19/2024	Molybdenum, total	0.00170	mg/L
MW-30	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-94.0	mV
MW-30	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-30	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.65	pCi/L
MW-30	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-30	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
MW-30	Compliance	E007	11/19/2024	Sulfate, total	3 U	mg/L
MW-30	Compliance	E007	11/19/2024	Temperature	15.5	degrees C
MW-30	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-30	Compliance	E007	11/19/2024	Total Dissolved Solids	546 J	mg/L
MW-30	Compliance	E007	11/19/2024	Turbidity, field	3.90	NTU
MW-31	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-31	Compliance	E007	11/18/2024	Arsenic, total	0.00620	mg/L
MW-31	Compliance	E007	11/18/2024	Barium, total	0.206	mg/L
MW-31	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-31	Compliance	E007	11/18/2024	Boron, total	0.157	mg/L
MW-31	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-31	Compliance	E007	11/18/2024	Calcium, total	117	mg/L
MW-31	Compliance	E007	11/18/2024	Chloride, total	38.3	mg/L
MW-31	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-31	Compliance	E007	11/18/2024	Cobalt, total	0.00100 J	mg/L
MW-31	Compliance	E007	11/18/2024	Dissolved Oxygen	0.630	mg/L
MW-31	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-31	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Lithium, total	0.00410	mg/L
MW-31	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-63.0	mV
MW-31	Compliance	E007	11/18/2024	pH (field)	6.6	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-31	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.473	pCi/L
MW-31	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	979	micromhos/cm
MW-31	Compliance	E007	11/18/2024	Sulfate, total	3 U	mg/L
MW-31	Compliance	E007	11/18/2024	Temperature	14.7	degrees C
MW-31	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-31	Compliance	E007	11/18/2024	Total Dissolved Solids	575	mg/L
MW-31	Compliance	E007	11/18/2024	Turbidity, field	3.70	NTU
MW-31S	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Arsenic, total	0.0211	mg/L
MW-31S	Compliance	E007	11/19/2024	Barium, total	0.274	mg/L
MW-31S	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Boron, total	0.105	mg/L
MW-31S	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Calcium, total	149	mg/L
MW-31S	Compliance	E007	11/19/2024	Chloride, total	10.2	mg/L
MW-31S	Compliance	E007	11/19/2024	Chromium, total	0.001 J	mg/L
MW-31S	Compliance	E007	11/19/2024	Cobalt, total	0.00330	mg/L
MW-31S	Compliance	E007	11/19/2024	Dissolved Oxygen	2.03	mg/L
MW-31S	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Lithium, total	0.0015 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Molybdenum, total	0.0008 J	mg/L
MW-31S	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-100	mV
MW-31S	Compliance	E007	11/19/2024	pH (field)	6.5	SU
MW-31S	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.542	pCi/L
MW-31S	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,130	micromhos/cm
MW-31S	Compliance	E007	11/19/2024	Sulfate, total	3 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Temperature	16.7	degrees C
MW-31S	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Total Dissolved Solids	780 J	mg/L
MW-31S	Compliance	E007	11/19/2024	Turbidity, field	40.0	NTU
MW-32	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-32	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-32	Compliance	E007	11/18/2024	Barium, total	0.0443	mg/L
MW-32	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-32	Compliance	E007	11/18/2024	Boron, total	1.75	mg/L
MW-32	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-32	Compliance	E007	11/18/2024	Calcium, total	154	mg/L
MW-32	Compliance	E007	11/18/2024	Chloride, total	9.44	mg/L
MW-32	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-32	Compliance	E007	11/18/2024	Cobalt, total	0.0005 J	mg/L
MW-32	Compliance	E007	11/18/2024	Dissolved Oxygen	0.710	mg/L
MW-32	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-32	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Lithium, total	0.0015 J	mg/L
MW-32	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Oxidation Reduction Potential	44.0	mV
MW-32	Compliance	E007	11/18/2024	pH (field)	6.4	SU
MW-32	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.738	pCi/L
MW-32	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,290	micromhos/cm
MW-32	Compliance	E007	11/18/2024	Sulfate, total	313	mg/L
MW-32	Compliance	E007	11/18/2024	Temperature	15.7	degrees C
MW-32	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-32	Compliance	E007	11/18/2024	Total Dissolved Solids	1,040	mg/L
MW-32	Compliance	E007	11/18/2024	Turbidity, field	3.50	NTU
PZ-4C	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Arsenic, total	0.00140	mg/L
PZ-4C	Compliance	E007	11/19/2024	Barium, total	0.264	mg/L
PZ-4C	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Boron, total	1.56	mg/L
PZ-4C	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Calcium, total	116	mg/L
PZ-4C	Compliance	E007	11/19/2024	Chloride, total	32.7	mg/L
PZ-4C	Compliance	E007	11/19/2024	Chromium, total	0.0012 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Cobalt, total	0.0005 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Dissolved Oxygen	2.51	mg/L
PZ-4C	Compliance	E007	11/19/2024	Fluoride, total	0.32 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Lithium, total	0.00810	mg/L
PZ-4C	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Molybdenum, total	0.0014 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-98.0	mV
PZ-4C	Compliance	E007	11/19/2024	pH (field)	6.8	SU
PZ-4C	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	1.32	pCi/L
PZ-4C	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	796	micromhos/cm
PZ-4C	Compliance	E007	11/19/2024	Sulfate, total	68.5	mg/L
PZ-4C	Compliance	E007	11/19/2024	Temperature	16.0	degrees C
PZ-4C	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Total Dissolved Solids	591 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Turbidity, field	23.0	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Notes:

C = Celsius
cm = centimeter
Events:
 E007 = Quarter 4, 2024 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
 NR¹ = Parameter not analyzed.
 NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
 NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
 NS³ = The location was not accessible; therefore, a sample was not collected.
 NS⁴ = The location could not be found; therefore, a sample was not collected.
 NS⁵ = The location was damaged; therefore, a sample was not collected.
 NS⁶ = Sampling pump could not yield a sample.
 NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
 NS⁸ = A sample was not collected.
 PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
 J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-3	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	30	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-3	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	30	0	CI around median	0.0451	2.0	Standard	No Exceedance
MW-3	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-3	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	30	0	CI around median	1.56	2	Standard	No Exceedance
MW-3	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-3	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	30	0	CB around linear reg	27	200	Standard	No Exceedance
MW-3	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	30	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	30	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	30	6	CI around mean	0.242	4.0	Standard	No Exceedance
MW-3	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-3	UA	E007	Lithium, total	mg/L	02/25/21 - 11/18/24	16	94	CI around median	0.003	0.04	Standard	No Exceedance
MW-3	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-3	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	30	0	CB around linear reg	6.4/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-3	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 11/18/24	26	0	CI around median	0.271	5	Standard	No Exceedance
MW-3	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-3	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	30	0	CB around linear reg	112	400	Standard	No Exceedance
MW-3	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	30	97	CB around T-S line	0.002	0.002	Standard	No Exceedance
MW-3	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	30	0	CB around linear reg	540	1,200	Standard	No Exceedance
MW-5	UA	E007	Antimony, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-5	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/19/24	34	80	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-5	UA	E007	Barium, total	mg/L	12/15/15 - 11/19/24	34	0	CB around T-S line	0.15	2.0	Standard	No Exceedance
MW-5	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-5	UA	E007	Boron, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	0.531	2	Standard	No Exceedance
MW-5	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-5	UA	E007	Chloride, total	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	44.4	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-5	UA	E007	Chromium, total	mg/L	12/15/15 - 11/19/24	34	90	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-5	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/19/24	34	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-5	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/19/24	34	8	CB around T-S line	0.167	4.0	Standard	No Exceedance
MW-5	UA	E007	Lead, total	mg/L	12/15/15 - 11/19/24	34	90	CI around median	0.001	0.0075	Standard	No Exceedance
MW-5	UA	E007	Lithium, total	mg/L	12/15/15 - 11/19/24	26	31	CB around T-S line	0.003	0.04	Standard	No Exceedance
MW-5	UA	E007	Mercury, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-5	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/19/24	26	96	CB around T-S line	0.00146	0.1	Standard	No Exceedance
MW-5	UA	E007	pH (field)	SU	12/15/15 - 11/19/24	34	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-5	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/19/24	35	0	CI around median	0.265	5	Standard	No Exceedance
MW-5	UA	E007	Selenium, total	mg/L	12/15/15 - 11/19/24	34	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-5	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/19/24	34	33	CI around median	10	400	Standard	No Exceedance
MW-5	UA	E007	Thallium, total	mg/L	12/15/15 - 11/19/24	31	97	CB around T-S line	0.002	0.002	Standard	No Exceedance
MW-5	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	719	1,200	Standard	No Exceedance
MW-6	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-6	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	0.0379	2.0	Standard	No Exceedance
MW-6	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-6	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.978	2	Standard	No Exceedance
MW-6	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-6	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	56	CB around T-S line	2.51	200	Standard	No Exceedance
MW-6	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	85	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-6	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-6	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CB around linear reg	0.202	4.0	Standard	No Exceedance
MW-6	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-6	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	85	CB around T-S line	0.00291	0.04	Standard	No Exceedance
MW-6	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-6	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
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KINCAID POWER PLANT
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-6	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-6	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around median	0.37	5	Standard	No Exceedance
MW-6	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	92	CI around median	0.001	0.05	Standard	No Exceedance
MW-6	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	72.8	400	Standard	No Exceedance
MW-6	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-6	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	493	1,200	Standard	No Exceedance
MW-7	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-7	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	67	CI around median	0.001	0.010	Standard	No Exceedance
MW-7	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.0478	2.0	Standard	No Exceedance
MW-7	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.24	2	Standard	No Exceedance
MW-7	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	74	CI around median	4	200	Standard	No Exceedance
MW-7	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	95	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-7	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	77	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-7	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CI around mean	0.254	4.0	Standard	No Exceedance
MW-7	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-7	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	42	CI around median	0.003	0.04	Standard	No Exceedance
MW-7	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	4	CI around mean	0.00247	0.1	Standard	No Exceedance
MW-7	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-7	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around geomean	0.473	5	Standard	No Exceedance
MW-7	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CI around geomean	181	400	Standard	No Exceedance
MW-7	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CI around geomean	578	1,200	Standard	No Exceedance
MW-7S	USCU	E007	Antimony, total	mg/L	02/24/21 - 11/18/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-7S	USCU	E007	Arsenic, total	mg/L	02/24/21 - 11/18/24	14	0	CI around median	0.0069	0.010	Standard	No Exceedance
MW-7S	USCU	E007	Barium, total	mg/L	02/24/21 - 11/18/24	14	0	CI around median	0.0393	2.0	Standard	No Exceedance
MW-7S	USCU	E007	Beryllium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7S	USCU	E007	Boron, total	mg/L	02/24/21 - 11/18/24	14	0	CI around mean	3.97	2	Standard	Exceedance
MW-7S	USCU	E007	Cadmium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7S	USCU	E007	Chloride, total	mg/L	02/24/21 - 11/18/24	14	0	CB around linear reg	6.25	200	Standard	No Exceedance
MW-7S	USCU	E007	Chromium, total	mg/L	02/24/21 - 11/18/24	14	57	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E007	Cobalt, total	mg/L	02/24/21 - 11/18/24	14	14	CI around geomean	0.00105	0.006	Standard	No Exceedance
MW-7S	USCU	E007	Fluoride, total	mg/L	02/24/21 - 11/18/24	14	14	CB around linear reg	0.238	4.0	Standard	No Exceedance
MW-7S	USCU	E007	Lead, total	mg/L	02/24/21 - 11/18/24	14	79	CI around median	0.001	0.0075	Standard	No Exceedance
MW-7S	USCU	E007	Lithium, total	mg/L	02/24/21 - 11/18/24	14	93	CI around median	0.003	0.04	Standard	No Exceedance
MW-7S	USCU	E007	Mercury, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7S	USCU	E007	Molybdenum, total	mg/L	02/24/21 - 11/18/24	14	64	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E007	pH (field)	SU	02/24/21 - 11/18/24	14	0	CI around median	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-7S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/18/24	14	0	CI around mean	0.225	5	Standard	No Exceedance
MW-7S	USCU	E007	Selenium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7S	USCU	E007	Sulfate, total	mg/L	02/24/21 - 11/18/24	14	0	CI around mean	440	400	Standard	Exceedance
MW-7S	USCU	E007	Thallium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7S	USCU	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/18/24	13	0	CI around median	1,010	1,200	Standard	No Exceedance
MW-8	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-8	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-8	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	0.0203	2.0	Standard	No Exceedance
MW-8	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-8	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around median	0.954	2	Standard	No Exceedance
MW-8	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-8	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	13.8	200	Standard	No Exceedance
MW-8	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	26	CI around geomean	0.00102	0.006	Standard	No Exceedance
MW-8	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CB around T-S line	0.22	4.0	Standard	No Exceedance
MW-8	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-8	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	58	CB around T-S line	0.00299	0.04	Standard	No Exceedance
MW-8	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-8	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-8	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.4/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-8	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around median	0.2	5	Standard	No Exceedance
MW-8	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-8	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	195	400	Standard	No Exceedance
MW-8	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-8	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	745	1,200	Standard	No Exceedance
MW-8S	USCU	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
MW-8S	USCU	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.010	Standard	--
MW-8S	USCU	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
MW-8S	USCU	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
MW-8S	USCU	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	2	Standard	--
MW-8S	USCU	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
MW-8S	USCU	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
MW-8S	USCU	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
MW-8S	USCU	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
MW-8S	USCU	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
MW-8S	USCU	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
MW-8S	USCU	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
MW-8S	USCU	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
MW-8S	USCU	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
MW-8S	USCU	E007	pH (field)	SU	--	--	--	--	NS ⁷	5.6/9.0	Background/Standard	--

TABLE 2.
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	5	Standard	--
MW-8S	USCU	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
MW-8S	USCU	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
MW-8S	USCU	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
MW-8S	USCU	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
MW-11	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	29	CI around median	0.0011	0.010	Standard	No Exceedance
MW-11	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	0.105	2.0	Standard	No Exceedance
MW-11	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-11	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	1.54	2	Standard	No Exceedance
MW-11	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-11	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	27.6	200	Standard	No Exceedance
MW-11	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-11	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	6	CI around median	0.48	4.0	Standard	No Exceedance
MW-11	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-11	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	50	CB around linear reg	0.00289	0.04	Standard	No Exceedance
MW-11	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-11	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	4	CI around median	0.0021	0.1	Standard	No Exceedance
MW-11	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-11	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around mean	0.562	5	Standard	No Exceedance
MW-11	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	68	CI around median	0.001	0.05	Standard	No Exceedance
MW-11	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	108	400	Standard	No Exceedance
MW-11	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-11	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	587	1,200	Standard	No Exceedance
MW-12	UA	E007	Antimony, total	mg/L	12/15/15 - 11/19/24	32	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-12	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/19/24	34	88	CB around T-S line	0.001	0.010	Standard	No Exceedance

TABLE 2.
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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-12	UA	E007	Barium, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	0.0828	2.0	Standard	No Exceedance
MW-12	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-12	UA	E007	Boron, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	2.75	2	Standard	Exceedance
MW-12	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-12	UA	E007	Chloride, total	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	20.4	200	Standard	No Exceedance
MW-12	UA	E007	Chromium, total	mg/L	12/15/15 - 11/19/24	34	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/19/24	34	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-12	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/19/24	34	6	CB around linear reg	0.197	4.0	Standard	No Exceedance
MW-12	UA	E007	Lead, total	mg/L	12/15/15 - 11/19/24	34	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-12	UA	E007	Lithium, total	mg/L	12/15/15 - 11/19/24	26	0	CI around mean	0.00857	0.04	Standard	No Exceedance
MW-12	UA	E007	Mercury, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-12	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/19/24	26	85	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E007	pH (field)	SU	12/15/15 - 11/19/24	34	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-12	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/19/24	35	0	CI around median	0.447	5	Standard	No Exceedance
MW-12	UA	E007	Selenium, total	mg/L	12/15/15 - 11/19/24	34	97	CI around median	0.001	0.05	Standard	No Exceedance
MW-12	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	362	400	Standard	No Exceedance
MW-12	UA	E007	Thallium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-12	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	996	1,200	Standard	No Exceedance
MW-20	UA	E007	Antimony, total	mg/L	02/26/21 - 11/18/24	16	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-20	UA	E007	Arsenic, total	mg/L	02/26/21 - 11/18/24	16	56	CI around median	0.001	0.010	Standard	No Exceedance
MW-20	UA	E007	Barium, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.0657	2.0	Standard	No Exceedance
MW-20	UA	E007	Beryllium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20	UA	E007	Boron, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.639	2	Standard	No Exceedance
MW-20	UA	E007	Cadmium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20	UA	E007	Chloride, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	18.4	200	Standard	No Exceedance
MW-20	UA	E007	Chromium, total	mg/L	02/26/21 - 11/18/24	16	88	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20	UA	E007	Cobalt, total	mg/L	02/26/21 - 11/18/24	16	94	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20	UA	E007	Fluoride, total	mg/L	02/26/21 - 11/18/24	16	12	CB around linear reg	0.255	4.0	Standard	No Exceedance
MW-20	UA	E007	Lead, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20	UA	E007	Lithium, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	-0.00304	0.04	Standard	No Exceedance
MW-20	UA	E007	Mercury, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20	UA	E007	Molybdenum, total	mg/L	02/26/21 - 11/18/24	16	6	CB around T-S line	-0.00482	0.1	Standard	No Exceedance
MW-20	UA	E007	pH (field)	SU	02/26/21 - 11/18/24	16	0	CI around mean	6.8/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-20	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.373	5	Standard	No Exceedance
MW-20	UA	E007	Selenium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20	UA	E007	Sulfate, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	147	400	Standard	No Exceedance
MW-20	UA	E007	Thallium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20	UA	E007	Total Dissolved Solids	mg/L	02/26/21 - 11/18/24	15	0	CB around linear reg	673	1,200	Standard	No Exceedance
MW-20S	USCU	E007	Antimony, total	mg/L	02/26/21 - 11/19/24	16	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E007	Arsenic, total	mg/L	02/26/21 - 11/19/24	16	94	CI around median	0.001	0.010	Standard	No Exceedance
MW-20S	USCU	E007	Barium, total	mg/L	02/26/21 - 11/19/24	16	6	CI around median	0.0352	2.0	Standard	No Exceedance
MW-20S	USCU	E007	Beryllium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20S	USCU	E007	Boron, total	mg/L	02/26/21 - 11/19/24	16	0	CB around T-S line	1.82	2	Standard	No Exceedance
MW-20S	USCU	E007	Cadmium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20S	USCU	E007	Chloride, total	mg/L	02/26/21 - 11/19/24	16	0	CI around mean	17.8	200	Standard	No Exceedance
MW-20S	USCU	E007	Chromium, total	mg/L	02/26/21 - 11/19/24	16	94	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E007	Cobalt, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E007	Fluoride, total	mg/L	02/26/21 - 11/19/24	16	12	CI around mean	0.179	4.0	Standard	No Exceedance
MW-20S	USCU	E007	Lead, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20S	USCU	E007	Lithium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-20S	USCU	E007	Mercury, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20S	USCU	E007	Molybdenum, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E007	pH (field)	SU	02/26/21 - 11/19/24	16	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-20S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/19/24	16	0	CI around mean	0.203	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20S	USCU	E007	Selenium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20S	USCU	E007	Sulfate, total	mg/L	02/26/21 - 11/19/24	16	0	CI around mean	300	400	Standard	No Exceedance
MW-20S	USCU	E007	Thallium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20S	USCU	E007	Total Dissolved Solids	mg/L	02/26/21 - 11/19/24	15	0	CB around linear reg	940	1,200	Standard	No Exceedance
MW-23	UA	E007	Antimony, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-23	UA	E007	Arsenic, total	mg/L	02/26/21 - 11/18/24	16	38	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-23	UA	E007	Barium, total	mg/L	02/26/21 - 11/18/24	16	0	CI around median	0.0928	2.0	Standard	No Exceedance
MW-23	UA	E007	Beryllium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-23	UA	E007	Boron, total	mg/L	02/26/21 - 11/18/24	16	0	CI around median	1.98	2	Standard	No Exceedance
MW-23	UA	E007	Cadmium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-23	UA	E007	Chloride, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	23.2	200	Standard	No Exceedance
MW-23	UA	E007	Chromium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E007	Cobalt, total	mg/L	02/26/21 - 11/18/24	16	38	CI around median	0.001	0.006	Standard	No Exceedance
MW-23	UA	E007	Fluoride, total	mg/L	02/26/21 - 11/18/24	16	12	CI around median	0.33	4.0	Standard	No Exceedance
MW-23	UA	E007	Lead, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-23	UA	E007	Lithium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-23	UA	E007	Mercury, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-23	UA	E007	Molybdenum, total	mg/L	02/26/21 - 11/18/24	16	94	CI around median	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E007	pH (field)	SU	02/26/21 - 11/18/24	16	0	CI around mean	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-23	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/18/24	16	0	CI around mean	0.249	5	Standard	No Exceedance
MW-23	UA	E007	Selenium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-23	UA	E007	Sulfate, total	mg/L	02/26/21 - 11/18/24	16	0	CI around mean	41.6	400	Standard	No Exceedance
MW-23	UA	E007	Thallium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-23	UA	E007	Total Dissolved Solids	mg/L	02/26/21 - 11/18/24	15	0	CI around mean	587	1,200	Standard	No Exceedance
MW-27	USCU	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
MW-27	USCU	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.010	Standard	--
MW-27	USCU	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--

TABLE 2.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-27	USCU	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
MW-27	USCU	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	2	Standard	--
MW-27	USCU	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
MW-27	USCU	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
MW-27	USCU	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
MW-27	USCU	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
MW-27	USCU	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
MW-27	USCU	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
MW-27	USCU	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
MW-27	USCU	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
MW-27	USCU	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
MW-27	USCU	E007	pH (field)	SU	--	--	--	--	NS ⁷	5.6/9.0	Background/Standard	--
MW-27	USCU	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	5	Standard	--
MW-27	USCU	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
MW-27	USCU	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
MW-27	USCU	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
MW-27	USCU	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
MW-28	UA	E007	Antimony, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-28	UA	E007	Arsenic, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-28	UA	E007	Barium, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	0.0231	2.0	Standard	No Exceedance
MW-28	UA	E007	Beryllium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-28	UA	E007	Boron, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	8.67	2	Standard	Exceedance
MW-28	UA	E007	Cadmium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-28	UA	E007	Chloride, total	mg/L	02/24/21 - 11/19/24	16	0	CI around median	12	200	Standard	No Exceedance
MW-28	UA	E007	Chromium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E007	Cobalt, total	mg/L	02/24/21 - 11/19/24	16	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-28	UA	E007	Fluoride, total	mg/L	02/24/21 - 11/19/24	16	12	CI around median	0.13	4.0	Standard	No Exceedance

TABLE 2.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-28	UA	E007	Lead, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-28	UA	E007	Lithium, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	0.00612	0.04	Standard	No Exceedance
MW-28	UA	E007	Mercury, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-28	UA	E007	Molybdenum, total	mg/L	02/24/21 - 11/19/24	16	94	CI around median	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E007	pH (field)	SU	02/24/21 - 11/19/24	16	0	CI around mean	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-28	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/19/24	16	0	CB around linear reg	0.34	5	Standard	No Exceedance
MW-28	UA	E007	Selenium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-28	UA	E007	Sulfate, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	825	400	Standard	Exceedance
MW-28	UA	E007	Thallium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-28	UA	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/19/24	15	0	CI around mean	1,660	1,200	Standard	Exceedance
MW-30	UA	E007	Antimony, total	mg/L	02/25/21 - 11/19/24	16	94	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-30	UA	E007	Arsenic, total	mg/L	02/25/21 - 11/19/24	16	6	CB around linear reg	0.00711	0.010	Standard	No Exceedance
MW-30	UA	E007	Barium, total	mg/L	02/25/21 - 11/19/24	16	0	CI around mean	0.155	2.0	Standard	No Exceedance
MW-30	UA	E007	Beryllium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-30	UA	E007	Boron, total	mg/L	02/25/21 - 11/19/24	16	0	CI around median	1.09	2	Standard	No Exceedance
MW-30	UA	E007	Cadmium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-30	UA	E007	Chloride, total	mg/L	02/25/21 - 11/19/24	16	0	CB around linear reg	35.7	200	Standard	No Exceedance
MW-30	UA	E007	Chromium, total	mg/L	02/25/21 - 11/19/24	16	81	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E007	Cobalt, total	mg/L	02/25/21 - 11/19/24	16	0	CI around mean	0.00205	0.006	Standard	No Exceedance
MW-30	UA	E007	Fluoride, total	mg/L	02/25/21 - 11/19/24	16	12	CB around T-S line	0.25	4.0	Standard	No Exceedance
MW-30	UA	E007	Lead, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-30	UA	E007	Lithium, total	mg/L	02/25/21 - 11/19/24	16	88	CB around T-S line	0.000824	0.04	Standard	No Exceedance
MW-30	UA	E007	Mercury, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-30	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/19/24	16	31	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E007	pH (field)	SU	02/25/21 - 11/19/24	16	0	CI around mean	6.5/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-30	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/19/24	16	0	CI around geomean	0.595	5	Standard	No Exceedance
MW-30	UA	E007	Selenium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance

TABLE 2.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-30	UA	E007	Sulfate, total	mg/L	02/25/21 - 11/19/24	16	50	CB around linear reg	-21.8	400	Standard	No Exceedance
MW-30	UA	E007	Thallium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-30	UA	E007	Total Dissolved Solids	mg/L	02/25/21 - 11/19/24	15	0	CB around T-S line	503	1,200	Standard	No Exceedance
MW-31	UA	E007	Antimony, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-31	UA	E007	Arsenic, total	mg/L	02/24/21 - 11/18/24	16	6	CI around geomean	0.00252	0.010	Standard	No Exceedance
MW-31	UA	E007	Barium, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.212	2.0	Standard	No Exceedance
MW-31	UA	E007	Beryllium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-31	UA	E007	Boron, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.228	2	Standard	No Exceedance
MW-31	UA	E007	Cadmium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31	UA	E007	Chloride, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	44.6	200	Standard	No Exceedance
MW-31	UA	E007	Chromium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-31	UA	E007	Cobalt, total	mg/L	02/24/21 - 11/18/24	16	69	CI around median	0.001	0.006	Standard	No Exceedance
MW-31	UA	E007	Fluoride, total	mg/L	02/24/21 - 11/18/24	16	12	CI around median	0.17	4.0	Standard	No Exceedance
MW-31	UA	E007	Lead, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-31	UA	E007	Lithium, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.0045	0.04	Standard	No Exceedance
MW-31	UA	E007	Mercury, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31	UA	E007	Molybdenum, total	mg/L	02/24/21 - 11/18/24	16	62	CB around T-S line	-0.0012	0.1	Standard	No Exceedance
MW-31	UA	E007	pH (field)	SU	02/24/21 - 11/18/24	16	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/18/24	16	0	CI around mean	0.586	5	Standard	No Exceedance
MW-31	UA	E007	Selenium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31	UA	E007	Sulfate, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	10	400	Standard	No Exceedance
MW-31	UA	E007	Thallium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31	UA	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/18/24	15	0	CI around mean	569	1,200	Standard	No Exceedance
MW-31S	USCU	E007	Antimony, total	mg/L	02/24/21 - 11/19/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
MW-31S	USCU	E007	Arsenic, total	mg/L	02/24/21 - 11/19/24	15	0	CI around mean	0.00716	0.010	Standard	No Exceedance
MW-31S	USCU	E007	Barium, total	mg/L	02/24/21 - 11/19/24	15	0	CI around geomean	0.216	2.0	Standard	No Exceedance
MW-31S	USCU	E007	Beryllium, total	mg/L	02/24/21 - 11/19/24	15	93	CI around median	0.001	0.004	Standard	No Exceedance

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-31S	USCU	E007	Boron, total	mg/L	02/24/21 - 11/19/24	15	7	CI around geomean	0.0363	2	Standard	No Exceedance
MW-31S	USCU	E007	Cadmium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31S	USCU	E007	Chloride, total	mg/L	02/24/21 - 11/19/24	14	0	CI around median	15	200	Standard	No Exceedance
MW-31S	USCU	E007	Chromium, total	mg/L	02/24/21 - 11/19/24	15	60	CI around median	0.0015	0.1	Standard	No Exceedance
MW-31S	USCU	E007	Cobalt, total	mg/L	02/24/21 - 11/19/24	15	0	CI around geomean	0.00244	0.006	Standard	No Exceedance
MW-31S	USCU	E007	Fluoride, total	mg/L	02/24/21 - 11/19/24	14	14	CI around mean	0.223	4.0	Standard	No Exceedance
MW-31S	USCU	E007	Lead, total	mg/L	02/24/21 - 11/19/24	15	47	CI around median	0.001	0.0075	Standard	No Exceedance
MW-31S	USCU	E007	Lithium, total	mg/L	02/24/21 - 11/19/24	15	60	CI around median	0.003	0.04	Standard	No Exceedance
MW-31S	USCU	E007	Mercury, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31S	USCU	E007	Molybdenum, total	mg/L	02/24/21 - 11/19/24	15	47	CB around linear reg	-0.000593	0.1	Standard	No Exceedance
MW-31S	USCU	E007	pH (field)	SU	02/24/21 - 11/19/24	16	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/19/24	14	0	CI around mean	0.869	5	Standard	No Exceedance
MW-31S	USCU	E007	Selenium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31S	USCU	E007	Sulfate, total	mg/L	02/24/21 - 11/19/24	14	29	CB around linear reg	-73.3	400	Standard	No Exceedance
MW-31S	USCU	E007	Thallium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31S	USCU	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/19/24	13	0	CB around linear reg	595	1,200	Standard	No Exceedance
MW-32	UA	E007	Antimony, total	mg/L	02/25/21 - 11/18/24	16	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E007	Arsenic, total	mg/L	02/25/21 - 11/18/24	16	94	CI around median	0.001	0.010	Standard	No Exceedance
MW-32	UA	E007	Barium, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	0.0261	2.0	Standard	No Exceedance
MW-32	UA	E007	Beryllium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-32	UA	E007	Boron, total	mg/L	02/25/21 - 11/18/24	16	0	CI around mean	1.55	2	Standard	No Exceedance
MW-32	UA	E007	Cadmium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-32	UA	E007	Chloride, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	8.99	200	Standard	No Exceedance
MW-32	UA	E007	Chromium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E007	Cobalt, total	mg/L	02/25/21 - 11/18/24	16	81	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E007	Fluoride, total	mg/L	02/25/21 - 11/18/24	16	12	CI around median	0.17	4.0	Standard	No Exceedance
MW-32	UA	E007	Lead, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.0075	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-32	UA	E007	Lithium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-32	UA	E007	Mercury, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-32	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E007	pH (field)	SU	02/25/21 - 11/18/24	16	0	CI around mean	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-32	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/18/24	16	0	CI around mean	0.206	5	Standard	No Exceedance
MW-32	UA	E007	Selenium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-32	UA	E007	Sulfate, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	297	400	Standard	No Exceedance
MW-32	UA	E007	Thallium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-32	UA	E007	Total Dissolved Solids	mg/L	02/25/21 - 11/18/24	15	0	CB around linear reg	980	1,200	Standard	No Exceedance
PZ-4C	UA	E007	Antimony, total	mg/L	02/25/21 - 11/19/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E007	Arsenic, total	mg/L	02/25/21 - 11/19/24	15	33	CI around median	0.001	0.010	Standard	No Exceedance
PZ-4C	UA	E007	Barium, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	0.25	2.0	Standard	No Exceedance
PZ-4C	UA	E007	Beryllium, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.001	0.004	Standard	No Exceedance
PZ-4C	UA	E007	Boron, total	mg/L	02/25/21 - 11/19/24	15	0	CI around mean	1.4	2	Standard	No Exceedance
PZ-4C	UA	E007	Cadmium, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.001	0.005	Standard	No Exceedance
PZ-4C	UA	E007	Chloride, total	mg/L	02/25/21 - 11/19/24	15	0	CB around linear reg	30.3	200	Standard	No Exceedance
PZ-4C	UA	E007	Chromium, total	mg/L	02/25/21 - 11/19/24	15	40	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E007	Cobalt, total	mg/L	02/25/21 - 11/19/24	15	73	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E007	Fluoride, total	mg/L	02/25/21 - 11/19/24	15	13	CB around linear reg	0.256	4.0	Standard	No Exceedance
PZ-4C	UA	E007	Lead, total	mg/L	02/25/21 - 11/19/24	15	60	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-4C	UA	E007	Lithium, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	0.0068	0.04	Standard	No Exceedance
PZ-4C	UA	E007	Mercury, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
PZ-4C	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/19/24	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E007	pH (field)	SU	02/25/21 - 11/19/24	15	0	CI around mean	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
PZ-4C	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/19/24	15	0	CI around geomean	0.633	5	Standard	No Exceedance
PZ-4C	UA	E007	Selenium, total	mg/L	02/25/21 - 11/19/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-4C	UA	E007	Sulfate, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	65.3	400	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-4C	UA	E007	Thallium, total	mg/L	02/25/21 - 11/19/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-4C	UA	E007	Total Dissolved Solids	mg/L	02/25/21 - 11/19/24	14	0	CI around mean	547	1,200	Standard	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) on October 25, 2021 as part of Kincaid Generation, LLC’s (Kincaid Generation’s) operating permit application for the Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, Kincaid Generation has not identified any actual exceedances.

Events:
NA
HSU = hydrostratigraphic unit:
UA = Uppermost Aquifer
USCU = Upper Semi-Confining Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
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):
NR¹ = Parameter not analyzed.
NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS³ = The location was not accessible; therefore, a sample was not collected.
NS⁴ = The location could not be found; therefore, a sample was not collected.
NS⁵ = The location was damaged; therefore, a sample was not collected.
NS⁶ = Sampling pump could not yield a sample.
NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS⁸ = A sample was not collected.
PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
For pH, the values presented are the lower / upper limits
GWPS Source:
Background = background concentration
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

FIGURES



- BACKGROUND WELL
- COMPLIANCE WELL
- STAFF GAGE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 250 500 Feet

MONITORING WELL LOCATION MAP

ASH POND
KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 4, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-1	Background	11/18/2024	16.02	588.91
MW-2	Background	11/18/2024	5.59	595.56
MW-3	Compliance	11/18/2024	8.14	593.35
MW-5	Compliance	11/18/2024	27.30	592.22
MW-6	Compliance	11/18/2024	10.18	590.23
MW-7	Compliance	11/18/2024	2.39	595.29
MW-7S	Compliance	11/18/2024	10.39	587.16
MW-8	Compliance	11/18/2024	6.53	596.69
MW-8S	Compliance	11/18/2024	9.76	593.65
MW-11	Compliance	11/18/2024	9.78	592.14
MW-12	Compliance	11/18/2024	6.90	584.58
MW-20	Compliance	11/18/2024	5.84	595.02
MW-20S	Compliance	11/18/2024	5.47	595.36
MW-23	Compliance	11/18/2024	16.19	594.24
MW-27	Compliance	11/18/2024	16.14	583.84
MW-28	Compliance	11/18/2024	6.11	595.38
MW-30	Compliance	11/18/2024	24.78	593.78
MW-31	Compliance	11/18/2024	30.60	586.87
MW-31S	Compliance	11/18/2024	19.79	597.84
MW-32	Compliance	11/18/2024	23.57	595.96
PZ-4C	Compliance	11/18/2024	6.51	594.29
XSG-01	Water Level	11/18/2024	4.75	603.58
SG-02	Water Level	11/18/2024	19.34	584.14

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 4, 2024**

December 17, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: KIN-24Q4

WorkOrder: 24110014

Dear Eric Bauer:

TEKLAB, INC received 26 samples for KIN_845_141 on 11/20/2024 12:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
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Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	33
Quality Control Results	34
Receiving Check List	62
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)



Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

Cooler Receipt Temp: 5.1 °C

An employee of Teklab, Inc. collected the sample(s).

MW-8S and MW-27 could not be collected; the wells were dry.

XSG-01 measurment date/time per field file/s. EAH 11/19/24

Equipment Blanks were not needed. SG-02 is maintained by the Plant personnel and not measured by the field sampling team. EAH 11/20/24

Per Eric Bauer's request, only KIN_845_141 data is included in this report. EAH 12/17/24

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-001
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-1

Collection Date: 11/18/2024 11:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.04	ft	1	11/18/2024 11:17	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		300	NTU	1	11/18/2024 11:17	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		93	mV	1	11/18/2024 11:17	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		451	µS/cm	1	11/18/2024 11:17	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	11/18/2024 11:17	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.16	mg/L	1	11/18/2024 11:17	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.36		1	11/18/2024 11:17	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		168	mg/L	1	11/19/2024 9:26	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:26	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		374	mg/L	1	11/23/2024 11:14	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 9:28	R356354
Chloride	NELAP	1.00	5.00		13.6	mg/L	10	11/19/2024 9:28	R356354
Sulfate	NELAP	3.00	10.0		87.0	mg/L	10	11/19/2024 9:28	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		56.6	mg/L	1	11/20/2024 21:43	231371
Magnesium	NELAP	0.0064	0.0500		25.6	mg/L	1	11/22/2024 18:11	231371
Potassium	NELAP	0.0400	0.100		0.284	mg/L	1	11/20/2024 21:43	231371
Sodium	NELAP	0.0180	0.0500		16.4	mg/L	1	11/20/2024 21:43	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:37	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:37	231371
Barium	NELAP	0.0007	0.0010		0.0553	mg/L	5	11/20/2024 20:37	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:37	231371
Boron	NELAP	0.0150	0.0250		0.300	mg/L	5	12/11/2024 10:39	232040
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:37	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:37	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	11/20/2024 20:37	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:37	231371
Lithium	*	0.0015	0.0030	J	0.0019	mg/L	5	11/20/2024 20:37	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 20:37	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:37	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:37	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:25	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-002
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-2
Collection Date: 11/18/2024 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.63	ft	1	11/18/2024 10:32	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		66	NTU	1	11/18/2024 10:32	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-72	mV	1	11/18/2024 10:32	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		647	µS/cm	1	11/18/2024 10:32	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	11/18/2024 10:32	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.36	mg/L	1	11/18/2024 10:32	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		7.04		1	11/18/2024 10:32	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		261	mg/L	1	11/19/2024 9:20	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:20	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		560	mg/L	1.25	11/23/2024 11:14	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.38	mg/L	10	11/19/2024 10:03	R356354
Chloride	NELAP	1.00	5.00		14.2	mg/L	10	11/19/2024 10:03	R356354
Sulfate	NELAP	3.00	10.0		136	mg/L	10	11/19/2024 10:03	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		97.1	mg/L	1	11/20/2024 21:48	231371
Magnesium	NELAP	0.0064	0.0500		33.1	mg/L	1	11/22/2024 18:15	231371
Potassium	NELAP	0.0400	0.100		1.37	mg/L	1	11/20/2024 21:48	231371
Sodium	NELAP	0.0180	0.0500		23.9	mg/L	1	11/20/2024 21:48	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 19:00	231371
Arsenic	NELAP	0.0004	0.0010		0.0015	mg/L	5	11/20/2024 19:00	231371
Barium	NELAP	0.0007	0.0010		0.117	mg/L	5	11/20/2024 19:00	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 19:00	231371
Boron	NELAP	0.0092	0.0250		0.0715	mg/L	5	11/20/2024 19:00	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 19:00	231371
Chromium	NELAP	0.0007	0.0015	J	0.0014	mg/L	5	11/20/2024 19:00	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	11/20/2024 19:00	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 19:00	231371
Lithium	*	0.0015	0.0030		0.0048	mg/L	5	11/20/2024 19:00	231371
Molybdenum	NELAP	0.0006	0.0015		0.0043	mg/L	5	11/20/2024 19:00	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 19:00	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 19:00	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:28	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-003
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-3

Collection Date: 11/18/2024 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.14	ft	1	11/18/2024 13:30	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.3	NTU	1	11/18/2024 13:30	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		16	mV	1	11/18/2024 13:30	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		786	µS/cm	1	11/18/2024 13:30	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	11/18/2024 13:30	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.70	mg/L	1	11/18/2024 13:30	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.66		1	11/18/2024 13:30	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		346	mg/L	1	11/19/2024 9:08	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:08	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		606	mg/L	1	11/23/2024 11:14	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 10:38	R356354
Chloride	NELAP	1.00	5.00		28.3	mg/L	10	11/19/2024 10:38	R356354
Sulfate	NELAP	3.00	10.0		126	mg/L	10	11/19/2024 10:38	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		91.9	mg/L	1	11/20/2024 21:50	231371
Magnesium	NELAP	0.0064	0.0500		45.5	mg/L	1	11/22/2024 18:17	231371
Potassium	NELAP	0.0400	0.100		0.260	mg/L	1	11/20/2024 21:50	231371
Sodium	NELAP	0.0180	0.0500		43.6	mg/L	1	11/20/2024 21:50	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 19:06	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 19:06	231371
Barium	NELAP	0.0007	0.0010		0.0426	mg/L	5	11/20/2024 19:06	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 19:06	231371
Boron	NELAP	0.0092	0.0250		1.63	mg/L	5	11/20/2024 19:06	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 19:06	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 19:06	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	11/20/2024 19:06	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 19:06	231371
Lithium	*	0.0015	0.0030	J	0.0022	mg/L	5	11/20/2024 19:06	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 19:06	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 19:06	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 19:06	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:30	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-004
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-5

Collection Date: 11/19/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		26.81	ft	1	11/19/2024 11:40	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.7	NTU	1	11/19/2024 11:40	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		24	mV	1	11/19/2024 11:40	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1140	µS/cm	1	11/19/2024 11:40	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.4	°C	1	11/19/2024 11:40	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.93	mg/L	1	11/19/2024 11:40	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.52		1	11/19/2024 11:40	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		706	mg/L	1	11/20/2024 11:42	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 11:42	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		740	mg/L	1	11/23/2024 11:36	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/20/2024 7:46	R356433
Chloride	NELAP	1.00	5.00		42.6	mg/L	10	11/20/2024 7:46	R356433
Sulfate	NELAP	3.00	10.0		10.0	mg/L	10	11/20/2024 7:46	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		161	mg/L	1	11/21/2024 19:07	231431
Magnesium	NELAP	0.0055	0.0500		81.9	mg/L	1	11/21/2024 19:07	231431
Potassium	NELAP	0.0400	0.100		0.639	mg/L	1	11/21/2024 19:07	231431
Sodium	NELAP	0.0180	0.0500		25.9	mg/L	1	11/21/2024 19:07	231431
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 18:16	231431
Arsenic	NELAP	0.0004	0.0010		0.0019	mg/L	5	11/22/2024 18:16	231431
Barium	NELAP	0.0007	0.0010		0.245	mg/L	5	11/22/2024 18:16	231431
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 18:16	231431
Boron	NELAP	0.0092	0.0250		0.699	mg/L	5	11/22/2024 18:16	231431
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 18:16	231431
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	11/22/2024 18:16	231431
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	11/22/2024 18:16	231431
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 18:16	231431
Lithium	*	0.0015	0.0030		0.0037	mg/L	5	11/22/2024 18:16	231431
Molybdenum	NELAP	0.0006	0.0015	J	0.0011	mg/L	5	11/22/2024 18:16	231431
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 18:16	231431
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 18:16	231431
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:31	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-005
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-6

Collection Date: 11/18/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.18	ft	1	11/18/2024 11:40	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.6	NTU	1	11/18/2024 11:40	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		102	mV	1	11/18/2024 11:40	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		733	µS/cm	1	11/18/2024 11:40	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	11/18/2024 11:40	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.44	mg/L	1	11/18/2024 11:40	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.28		1	11/18/2024 11:40	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		283	mg/L	1	11/19/2024 9:53	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:53	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		552	mg/L	1	11/23/2024 11:15	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 10:50	R356354
Chloride	NELAP	1.0	5.0	J	3.2	mg/L	10	11/19/2024 10:50	R356354
Sulfate	NELAP	3.00	10.0		149	mg/L	10	11/19/2024 10:50	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		91.8	mg/L	1	11/20/2024 21:51	231371
Magnesium	NELAP	0.0064	0.0500		37.3	mg/L	1	11/22/2024 18:18	231371
Potassium	NELAP	0.0400	0.100		0.385	mg/L	1	11/20/2024 21:51	231371
Sodium	NELAP	0.0180	0.0500		26.1	mg/L	1	11/20/2024 21:51	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 19:55	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 19:55	231371
Barium	NELAP	0.0007	0.0010		0.0414	mg/L	5	11/20/2024 19:55	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 19:55	231371
Boron	NELAP	0.0092	0.0250		1.32	mg/L	5	11/20/2024 19:55	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 19:55	231371
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	11/20/2024 19:55	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	11/20/2024 19:55	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 19:55	231371
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/20/2024 19:55	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 19:55	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 19:55	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 19:55	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:37	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-006
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-7
Collection Date: 11/18/2024 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.39	ft	1	11/18/2024 12:21	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.2	NTU	1	11/18/2024 12:21	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-72	mV	1	11/18/2024 12:21	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1310	µS/cm	1	11/18/2024 12:21	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	11/18/2024 12:21	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	11/18/2024 12:21	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.64		1	11/18/2024 12:21	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		412	mg/L	1	11/19/2024 9:46	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:46	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1110	mg/L	2.5	11/23/2024 11:15	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.25	mg/L	10	11/19/2024 11:01	R356354
Chloride	NELAP	1.0	5.0	J	3.5	mg/L	10	11/19/2024 11:01	R356354
Sulfate	NELAP	3.00	10.0		417	mg/L	10	11/19/2024 11:01	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		174	mg/L	1	11/20/2024 21:53	231371
Magnesium	NELAP	0.0064	0.0500		75.7	mg/L	1	11/22/2024 18:20	231371
Potassium	NELAP	0.0400	0.100		1.66	mg/L	1	11/20/2024 21:53	231371
Sodium	NELAP	0.0180	0.0500		25.2	mg/L	1	11/20/2024 21:53	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:01	231371
Arsenic	NELAP	0.0004	0.0010		0.0031	mg/L	5	11/20/2024 20:01	231371
Barium	NELAP	0.0007	0.0010		0.0667	mg/L	5	11/20/2024 20:01	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:01	231371
Boron	NELAP	0.0092	0.0250		0.651	mg/L	5	11/20/2024 20:01	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:01	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:01	231371
Cobalt	NELAP	0.0001	0.0010		0.0022	mg/L	5	11/20/2024 20:01	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:01	231371
Lithium	*	0.0015	0.0030		0.0041	mg/L	5	11/20/2024 20:01	231371
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	11/20/2024 20:01	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:01	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:01	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:39	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-007
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-7S
Collection Date: 11/18/2024 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.39	ft	1	11/18/2024 12:41	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.1	NTU	1	11/18/2024 12:41	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-59	mV	1	11/18/2024 12:41	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1500	µS/cm	1	11/18/2024 12:41	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.9	°C	1	11/18/2024 12:41	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.36	mg/L	1	11/18/2024 12:41	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.50		1	11/18/2024 12:41	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		414	mg/L	1	11/19/2024 9:39	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:39	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1290	mg/L	2.5	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.25	mg/L	10	11/19/2024 11:13	R356354
Chloride	NELAP	1.00	5.00		6.75	mg/L	10	11/19/2024 11:13	R356354
Sulfate	NELAP	3.00	10.0		547	mg/L	10	11/19/2024 11:13	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		175	mg/L	1	11/20/2024 21:54	231371
Magnesium	NELAP	0.0064	0.0500		66.7	mg/L	1	11/22/2024 18:22	231371
Potassium	NELAP	0.0400	0.100		2.54	mg/L	1	11/20/2024 21:54	231371
Sodium	NELAP	0.0180	0.0500		93.7	mg/L	1	11/20/2024 21:54	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:07	231371
Arsenic	NELAP	0.0004	0.0010		0.0096	mg/L	5	11/20/2024 20:07	231371
Barium	NELAP	0.0007	0.0010		0.0393	mg/L	5	11/20/2024 20:07	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:07	231371
Boron	NELAP	0.0092	0.0250		4.66	mg/L	5	11/20/2024 20:07	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:07	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:07	231371
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	11/20/2024 20:07	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:07	231371
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/20/2024 20:07	231371
Molybdenum	NELAP	0.0006	0.0015	J	0.0015	mg/L	5	11/20/2024 20:07	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:07	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:07	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:42	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-008
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-8
Collection Date: 11/18/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.76	ft	1	11/18/2024 10:38	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.1	NTU	1	11/18/2024 10:38	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		20	mV	1	11/18/2024 10:38	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1110	µS/cm	1	11/18/2024 10:38	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.8	°C	1	11/18/2024 10:38	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.01	mg/L	1	11/18/2024 10:38	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.44		1	11/18/2024 10:38	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		448	mg/L	1	11/19/2024 9:32	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:32	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		1040	mg/L	1.25	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 12:00	R356354
Chloride	NELAP	1.00	5.00		19.6	mg/L	10	11/19/2024 12:00	R356354
Sulfate	NELAP	3.00	10.0		201	mg/L	10	11/19/2024 12:00	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		144	mg/L	1	11/20/2024 21:56	231371
Magnesium	NELAP	0.0064	0.0500		63.8	mg/L	1	11/22/2024 18:23	231371
Potassium	NELAP	0.0400	0.100		0.579	mg/L	1	11/20/2024 21:56	231371
Sodium	NELAP	0.0180	0.0500		27.3	mg/L	1	11/20/2024 21:56	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:13	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:13	231371
Barium	NELAP	0.0007	0.0010		0.0287	mg/L	5	11/20/2024 20:13	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:13	231371
Boron	NELAP	0.0092	0.0250		1.04	mg/L	5	11/20/2024 20:13	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:13	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:13	231371
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	11/20/2024 20:13	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:13	231371
Lithium	*	0.0015	0.0030	J	0.0020	mg/L	5	11/20/2024 20:13	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 20:13	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:13	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:13	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:48	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-009
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-8S

Collection Date: 11/18/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.76	ft	1	11/18/2024 10:10	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0	Dry; no sample		NTU	1	11/18/2024 10:10	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000	Dry; no sample		mV	1	11/18/2024 10:10	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0	Dry; no sample		µS/cm	1	11/18/2024 10:10	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0	Dry; no sample		°C	1	11/18/2024 10:10	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0	Dry; no sample		mg/L	1	11/18/2024 10:10	R356899
SW-846 9040B FIELD									
pH	*	0	1.00	Dry; no sample			1	11/18/2024 10:10	R356899



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-010
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-11
Collection Date: 11/18/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.78	ft	1	11/18/2024 11:55	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.7	NTU	1	11/18/2024 11:55	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		55	mV	1	11/18/2024 11:55	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		804	µS/cm	1	11/18/2024 11:55	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.6	°C	1	11/18/2024 11:55	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.32	mg/L	1	11/18/2024 11:55	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.68		1	11/18/2024 11:55	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		366	mg/L	1	11/19/2024 10:18	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 10:18	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		554	mg/L	1	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.41	mg/L	10	11/19/2024 12:12	R356354
Chloride	NELAP	1.00	5.00		25.2	mg/L	10	11/19/2024 12:12	R356354
Sulfate	NELAP	3.00	10.0		89.3	mg/L	10	11/19/2024 12:12	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		98.4	mg/L	1	11/20/2024 22:05	231371
Magnesium	NELAP	0.0550	0.500		41.8	mg/L	10	11/25/2024 14:46	231371
Potassium	NELAP	0.0400	0.100		0.933	mg/L	1	11/20/2024 22:05	231371
Sodium	NELAP	0.0180	0.0500		35.0	mg/L	1	11/20/2024 22:05	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:19	231371
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	11/20/2024 20:19	231371
Barium	NELAP	0.0007	0.0010		0.116	mg/L	5	11/20/2024 20:19	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:19	231371
Boron	NELAP	0.0092	0.0250		1.35	mg/L	5	11/20/2024 20:19	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:19	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:19	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	11/20/2024 20:19	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:19	231371
Lithium	*	0.0015	0.0030	J	0.0023	mg/L	5	11/20/2024 20:19	231371
Molybdenum	NELAP	0.0006	0.0015		0.0020	mg/L	5	11/20/2024 20:19	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:19	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:19	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:51	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-011
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-12
Collection Date: 11/19/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.14	ft	1	11/19/2024 13:42	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		41	NTU	1	11/19/2024 13:42	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-60	mV	1	11/19/2024 13:42	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1280	µS/cm	1	11/19/2024 13:42	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.8	°C	1	11/19/2024 13:42	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.55	mg/L	1	11/19/2024 13:42	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.64		1	11/19/2024 13:42	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		515	mg/L	1	11/20/2024 11:49	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 11:49	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	32	40		952	mg/L	2	11/23/2024 11:37	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/20/2024 8:21	R356433
Chloride	NELAP	1.00	5.00		29.5	mg/L	10	11/20/2024 8:21	R356433
Sulfate	NELAP	3.00	10.0		348	mg/L	10	11/20/2024 8:21	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		196	mg/L	1	11/21/2024 19:08	231431
Magnesium	NELAP	0.0055	0.0500		81.8	mg/L	1	11/21/2024 19:08	231431
Potassium	NELAP	0.0400	0.100		2.19	mg/L	1	11/21/2024 19:08	231431
Sodium	NELAP	0.0180	0.0500		47.3	mg/L	1	11/21/2024 19:08	231431
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 18:23	231431
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	11/22/2024 18:23	231431
Barium	NELAP	0.0007	0.0010		0.103	mg/L	5	11/22/2024 18:23	231431
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 18:23	231431
Boron	NELAP	0.0092	0.0250		3.88	mg/L	5	11/22/2024 18:23	231431
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 18:23	231431
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/22/2024 18:23	231431
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	11/22/2024 18:23	231431
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 18:23	231431
Lithium	*	0.0015	0.0030		0.0138	mg/L	5	11/22/2024 18:23	231431
Molybdenum	NELAP	0.0006	0.0015	J	0.0013	mg/L	5	11/22/2024 18:23	231431
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 18:23	231431
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 18:23	231431
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:33	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-012
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-20
Collection Date: 11/18/2024 14:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.84	ft	1	11/18/2024 14:03	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		160	NTU	1	11/18/2024 14:03	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		22	mV	1	11/18/2024 14:03	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		910	µS/cm	1	11/18/2024 14:03	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	11/18/2024 14:03	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.68	mg/L	1	11/18/2024 14:03	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.76		1	11/18/2024 14:03	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		418	mg/L	1	11/19/2024 10:12	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 10:12	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		742	mg/L	1	11/23/2024 11:18	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.27	mg/L	10	11/19/2024 12:23	R356354
Chloride	NELAP	1.00	5.00		19.8	mg/L	10	11/19/2024 12:23	R356354
Sulfate	NELAP	3.00	10.0		158	mg/L	10	11/19/2024 12:23	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		122	mg/L	1	11/20/2024 22:07	231371
Magnesium	NELAP	0.0550	0.500		61.8	mg/L	10	11/25/2024 14:48	231371
Potassium	NELAP	0.0400	0.100		1.01	mg/L	1	11/20/2024 22:07	231371
Sodium	NELAP	0.0180	0.0500		21.5	mg/L	1	11/20/2024 22:07	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:25	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:25	231371
Barium	NELAP	0.0007	0.0010		0.0888	mg/L	5	11/20/2024 20:25	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:25	231371
Boron	NELAP	0.0092	0.0250		0.794	mg/L	5	11/20/2024 20:25	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:25	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:25	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	11/20/2024 20:25	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:25	231371
Lithium	*	0.0015	0.0030		0.0047	mg/L	5	11/20/2024 20:25	231371
Molybdenum	NELAP	0.0006	0.0015		0.0029	mg/L	5	11/20/2024 20:25	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:25	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:25	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:53	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-013
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-20S
Collection Date: 11/19/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.88	ft	1	11/19/2024 10:57	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.9	NTU	1	11/19/2024 10:57	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		43	mV	1	11/19/2024 10:57	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1060	µS/cm	1	11/19/2024 10:57	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	11/19/2024 10:57	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.41	mg/L	1	11/19/2024 10:57	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.58		1	11/19/2024 10:57	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		448	mg/L	1	11/20/2024 11:56	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 11:56	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		956	mg/L	1	11/23/2024 11:37	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/20/2024 9:19	R356433
Chloride	NELAP	1.00	5.00		19.7	mg/L	10	11/20/2024 9:19	R356433
Sulfate	NELAP	3.00	10.0		280	mg/L	10	11/20/2024 9:19	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		169	mg/L	1	11/21/2024 19:10	231431
Magnesium	NELAP	0.0055	0.0500		82.1	mg/L	1	11/21/2024 19:10	231431
Potassium	NELAP	0.0400	0.100		0.207	mg/L	1	11/21/2024 19:10	231431
Sodium	NELAP	0.0180	0.0500		24.8	mg/L	1	11/21/2024 19:10	231431
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 18:29	231431
Arsenic	NELAP	0.0004	0.0010		0.0011	mg/L	5	11/22/2024 18:29	231431
Barium	NELAP	0.0007	0.0010		0.0370	mg/L	5	11/22/2024 18:29	231431
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 18:29	231431
Boron	NELAP	0.0092	0.0250		1.84	mg/L	5	11/22/2024 18:29	231431
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 18:29	231431
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/22/2024 18:29	231431
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	11/22/2024 18:29	231431
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 18:29	231431
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/22/2024 18:29	231431
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/22/2024 18:29	231431
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 18:29	231431
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 18:29	231431
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:40	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-014
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-23
Collection Date: 11/18/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.19	ft	1	11/18/2024 12:38	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.2	NTU	1	11/18/2024 12:38	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-130	mV	1	11/18/2024 12:38	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		851	µS/cm	1	11/18/2024 12:38	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.8	°C	1	11/18/2024 12:38	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.84	mg/L	1	11/18/2024 12:38	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.70		1	11/18/2024 12:38	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		486	mg/L	1	11/19/2024 10:05	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 10:05	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		630	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.28	mg/L	10	11/19/2024 12:35	R356354
Chloride	NELAP	1.00	5.00		23.8	mg/L	10	11/19/2024 12:35	R356354
Sulfate	NELAP	3.00	10.0		37.1	mg/L	10	11/19/2024 12:35	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	11/20/2024 22:08	231371
Magnesium	NELAP	0.0550	0.500		48.6	mg/L	10	11/25/2024 14:49	231371
Potassium	NELAP	0.0400	0.100		0.735	mg/L	1	11/20/2024 22:08	231371
Sodium	NELAP	0.0180	0.0500		42.0	mg/L	1	11/20/2024 22:08	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 20:31	231371
Arsenic	NELAP	0.0004	0.0010		0.0027	mg/L	5	11/20/2024 20:31	231371
Barium	NELAP	0.0007	0.0010		0.104	mg/L	5	11/20/2024 20:31	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:31	231371
Boron	NELAP	0.0092	0.0250		2.22	mg/L	5	11/20/2024 20:31	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 20:31	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 20:31	231371
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	11/20/2024 20:31	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:31	231371
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/20/2024 20:31	231371
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	11/20/2024 20:31	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 20:31	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 20:31	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:55	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-015
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-27

Collection Date: 11/18/2024 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		17.01	ft	1	11/18/2024 10:55	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0	Dry; no sample		NTU	1	11/18/2024 10:55	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000	Dry; no sample		mV	1	11/18/2024 10:55	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0	Dry; no sample		µS/cm	1	11/18/2024 10:55	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0	Dry; no sample		°C	1	11/18/2024 10:55	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0	Dry; no sample		mg/L	1	11/18/2024 10:55	R356899
SW-846 9040B FIELD									
pH	*	0	1.00	Dry; no sample			1	11/18/2024 10:55	R356899



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-016
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-28
Collection Date: 11/19/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.84	ft	1	11/19/2024 13:12	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.9	NTU	1	11/19/2024 13:12	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		76	mV	1	11/19/2024 13:12	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1590	µS/cm	1	11/19/2024 13:12	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.3	°C	1	11/19/2024 13:12	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.75	mg/L	1	11/19/2024 13:12	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.56		1	11/19/2024 13:12	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		417	mg/L	1	11/20/2024 12:02	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 12:02	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	1810	mg/L	1	12/02/2024 16:12	R357024
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/20/2024 9:31	R356433
Chloride	NELAP	1.00	5.00		7.54	mg/L	10	11/20/2024 9:31	R356433
Sulfate	NELAP	3.00	10.0		815	mg/L	10	11/20/2024 9:31	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		239	mg/L	1	11/21/2024 21:45	231433
Magnesium	NELAP	0.0055	0.0500		104	mg/L	1	11/21/2024 21:45	231433
Potassium	NELAP	0.0400	0.100		0.843	mg/L	1	11/21/2024 21:45	231433
Sodium	NELAP	0.0180	0.0500		96.7	mg/L	1	11/21/2024 21:45	231433
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 15:26	231433
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	11/27/2024 18:51	231433
Barium	NELAP	0.0007	0.0010		0.0314	mg/L	5	11/22/2024 15:26	231433
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 15:26	231433
Boron	NELAP	0.0092	0.0250		8.14	mg/L	5	11/22/2024 15:26	231433
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 15:26	231433
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/22/2024 15:26	231433
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	11/22/2024 15:26	231433
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 15:26	231433
Lithium	*	0.0015	0.0030		0.0058	mg/L	5	11/22/2024 15:26	231433
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/22/2024 15:26	231433
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 15:26	231433
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 15:26	231433
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:43	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-017
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-30

Collection Date: 11/19/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		24.74	ft	1	11/19/2024 12:30	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.9	NTU	1	11/19/2024 12:30	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-94	mV	1	11/19/2024 12:30	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		910	µS/cm	1	11/19/2024 12:30	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.5	°C	1	11/19/2024 12:30	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.71	mg/L	1	11/19/2024 12:30	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.58		1	11/19/2024 12:30	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		539	mg/L	1	11/20/2024 12:29	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 12:29	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	53	67	H	546	mg/L	3.33	11/26/2024 14:43	R356859
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.29	mg/L	10	11/20/2024 16:19	R356433
Chloride	NELAP	1.00	5.00		36.7	mg/L	10	11/20/2024 16:19	R356433
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	11/20/2024 16:19	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	108	mg/L	1	11/21/2024 21:47	231433
Magnesium	NELAP	0.0055	0.0500		53.5	mg/L	1	11/21/2024 21:47	231433
Potassium	NELAP	0.0400	0.100		0.676	mg/L	1	11/21/2024 21:47	231433
Sodium	NELAP	0.0180	0.0500	S	44.1	mg/L	1	11/21/2024 21:47	231433
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/27/2024 19:19	231433
Arsenic	NELAP	0.0004	0.0010		0.0211	mg/L	5	11/27/2024 19:19	231433
Barium	NELAP	0.0014	0.0020		0.192	mg/L	10	12/03/2024 6:39	231433
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 15:45	231433
Boron	NELAP	0.0092	0.0250		1.14	mg/L	5	11/22/2024 15:45	231433
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/27/2024 19:19	231433
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/22/2024 15:45	231433
Cobalt	NELAP	0.0001	0.0010		0.0024	mg/L	5	11/22/2024 15:45	231433
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 15:45	231433
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/22/2024 15:45	231433
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	12/02/2024 10:30	231433
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/27/2024 19:19	231433
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 15:45	231433
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:45	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-018
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-31
Collection Date: 11/18/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		30.69	ft	1	11/18/2024 13:49	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.7	NTU	1	11/18/2024 13:49	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-63	mV	1	11/18/2024 13:49	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		979	µS/cm	1	11/18/2024 13:49	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.7	°C	1	11/18/2024 13:49	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.63	mg/L	1	11/18/2024 13:49	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.56		1	11/18/2024 13:49	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		518	mg/L	1	11/19/2024 9:58	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 9:58	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		575	mg/L	2.5	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 12:47	R356354
Chloride	NELAP	1.00	5.00		38.3	mg/L	10	11/19/2024 12:47	R356354
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	11/19/2024 12:47	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		117	mg/L	1	11/20/2024 22:10	231371
Magnesium	NELAP	0.0550	0.500		57.0	mg/L	10	11/25/2024 14:51	231371
Potassium	NELAP	0.0400	0.100		0.796	mg/L	1	11/20/2024 22:10	231371
Sodium	NELAP	0.0180	0.0500		23.9	mg/L	1	11/20/2024 22:10	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 21:20	231371
Arsenic	NELAP	0.0004	0.0010		0.0062	mg/L	5	11/20/2024 21:20	231371
Barium	NELAP	0.0007	0.0010		0.206	mg/L	5	11/20/2024 21:20	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:20	231371
Boron	NELAP	0.0092	0.0250		0.157	mg/L	5	11/20/2024 21:20	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:20	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 21:20	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0010	mg/L	5	11/20/2024 21:20	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:20	231371
Lithium	*	0.0015	0.0030		0.0041	mg/L	5	11/20/2024 21:20	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 21:20	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:20	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 21:20	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 11:58	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-019
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: MW-31S

Collection Date: 11/19/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		19.69	ft	1	11/19/2024 12:04	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		40	NTU	1	11/19/2024 12:04	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-100	mV	1	11/19/2024 12:04	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1130	µS/cm	1	11/19/2024 12:04	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.7	°C	1	11/19/2024 12:04	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.03	mg/L	1	11/19/2024 12:04	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.52		1	11/19/2024 12:04	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		704	mg/L	1	11/20/2024 12:22	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 12:22	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100	H	780	mg/L	5	11/26/2024 14:44	R356859
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/20/2024 16:08	R356433
Chloride	NELAP	1.00	5.00		10.2	mg/L	10	11/20/2024 16:08	R356433
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	11/20/2024 16:08	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		149	mg/L	1	11/21/2024 21:59	231433
Magnesium	NELAP	0.0055	0.0500		79.5	mg/L	1	11/21/2024 21:59	231433
Potassium	NELAP	0.0400	0.100		1.05	mg/L	1	11/21/2024 21:59	231433
Sodium	NELAP	0.0180	0.0500		17.6	mg/L	1	11/21/2024 21:59	231433
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 15:33	231433
Arsenic	NELAP	0.0004	0.0010		0.0211	mg/L	5	11/27/2024 18:57	231433
Barium	NELAP	0.0007	0.0010		0.274	mg/L	5	11/22/2024 15:33	231433
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 15:33	231433
Boron	NELAP	0.0092	0.0250		0.105	mg/L	5	11/22/2024 15:33	231433
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 15:33	231433
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	11/22/2024 15:33	231433
Cobalt	NELAP	0.0001	0.0010		0.0033	mg/L	5	11/22/2024 15:33	231433
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 15:33	231433
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/22/2024 15:33	231433
Molybdenum	NELAP	0.0006	0.0015	J	0.0008	mg/L	5	11/22/2024 15:33	231433
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 15:33	231433
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 15:33	231433
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:47	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-020
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-32
Collection Date: 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		23.97	ft	1	11/18/2024 13:24	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.5	NTU	1	11/18/2024 13:24	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		44	mV	1	11/18/2024 13:24	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1290	µS/cm	1	11/18/2024 13:24	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	11/18/2024 13:24	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	11/18/2024 13:24	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.37		1	11/18/2024 13:24	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		506	mg/L	1	11/22/2024 9:31	R356631
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/22/2024 9:31	R356631
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1040	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 12:58	R356354
Chloride	NELAP	1.00	5.00		9.44	mg/L	10	11/19/2024 12:58	R356354
Sulfate	NELAP	3.00	10.0		313	mg/L	10	11/19/2024 12:58	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		154	mg/L	1	11/20/2024 22:12	231371
Magnesium	NELAP	0.0550	0.500		82.5	mg/L	10	11/25/2024 14:52	231371
Potassium	NELAP	0.0400	0.100		0.403	mg/L	1	11/20/2024 22:12	231371
Sodium	NELAP	0.0180	0.0500		56.7	mg/L	1	11/20/2024 22:12	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 21:26	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 21:26	231371
Barium	NELAP	0.0007	0.0010		0.0443	mg/L	5	11/20/2024 21:26	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:26	231371
Boron	NELAP	0.0092	0.0250		1.75	mg/L	5	11/20/2024 21:26	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:26	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 21:26	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	11/20/2024 21:26	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:26	231371
Lithium	*	0.0015	0.0030	J	0.0015	mg/L	5	11/20/2024 21:26	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 21:26	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:26	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 21:26	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 10:24	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-025
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: PZ-4C
Collection Date: 11/19/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.00	ft	1	11/19/2024 9:44	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		23	NTU	1	11/19/2024 9:44	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-98	mV	1	11/19/2024 9:44	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		796	µS/cm	1	11/19/2024 9:44	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.0	°C	1	11/19/2024 9:44	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.51	mg/L	1	11/19/2024 9:44	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.82		1	11/19/2024 9:44	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		410	mg/L	1	11/20/2024 12:07	R356488
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/20/2024 12:07	R356488
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33	H	591	mg/L	1.67	11/26/2024 16:28	R356859
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.32	mg/L	10	11/20/2024 10:29	R356433
Chloride	NELAP	1.00	5.00		32.7	mg/L	10	11/20/2024 10:29	R356433
Sulfate	NELAP	3.00	10.0		68.5	mg/L	10	11/20/2024 10:29	R356433
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		116	mg/L	1	11/21/2024 22:02	231433
Magnesium	NELAP	0.0055	0.0500		44.6	mg/L	1	11/21/2024 22:02	231433
Potassium	NELAP	0.0400	0.100		1.39	mg/L	1	11/21/2024 22:02	231433
Sodium	NELAP	0.0180	0.0500		33.0	mg/L	1	11/21/2024 22:02	231433
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 16:29	231433
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	12/02/2024 10:19	231433
Barium	NELAP	0.0007	0.0010		0.264	mg/L	5	11/22/2024 16:29	231433
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 16:29	231433
Boron	NELAP	0.0092	0.0250		1.56	mg/L	5	11/22/2024 16:29	231433
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 16:29	231433
Chromium	NELAP	0.0007	0.0015	J	0.0012	mg/L	5	11/22/2024 16:29	231433
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	11/22/2024 16:29	231433
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 16:29	231433
Lithium	*	0.0015	0.0030		0.0081	mg/L	5	11/22/2024 16:29	231433
Molybdenum	NELAP	0.0006	0.0015	J	0.0014	mg/L	5	11/22/2024 16:29	231433
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 16:29	231433
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 16:29	231433
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/21/2024 12:56	231451



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-026
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: SG-02
Collection Date: 11/18/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		19.20	ft	1	11/18/2024 9:55	R356899



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-027
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: XSG-01
Collection Date: 11/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.75	ft	1	11/18/2024 10:14	R356899



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-028
Matrix: AQUEOUS

Work Order: 24110014
Report Date: 17-Dec-24

Client Sample ID: Field Blank

Collection Date: 11/20/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		1	mg/L	1	11/21/2024 11:44	R356548
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/21/2024 11:44	R356548
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	< 20	mg/L	1	12/02/2024 16:13	R357024
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/21/2024 17:25	R356537
Chloride	NELAP	1.00	5.00		ND	mg/L	10	11/21/2024 17:25	R356537
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	11/21/2024 17:25	R356537
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	11/25/2024 18:53	231490
Magnesium	NELAP	0.0055	0.050	J	0.0075	mg/L	1	11/25/2024 18:53	231490
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	11/25/2024 18:53	231490
Sodium	NELAP	0.018	0.050	J	0.027	mg/L	1	11/25/2024 18:53	231490
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/22/2024 21:25	231490
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/27/2024 20:43	231490
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	11/27/2024 20:43	231490
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 21:25	231490
Boron	NELAP	0.0092	0.0250		< 0.0250	mg/L	5	11/27/2024 20:43	231490
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/22/2024 21:25	231490
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/27/2024 20:43	231490
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	11/22/2024 21:25	231490
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 21:25	231490
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	11/22/2024 21:25	231490
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/22/2024 21:25	231490
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/22/2024 21:25	231490
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/22/2024 21:25	231490
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
Contamination present in the CCB for Pb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/22/2024 9:03	231510



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-029
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-8 Duplicate
Collection Date: 11/18/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.76	ft	1	11/18/2024 10:38	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.1	NTU	1	11/18/2024 10:38	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		20	mV	1	11/18/2024 10:38	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1110	µS/cm	1	11/18/2024 10:38	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.8	°C	1	11/18/2024 10:38	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.01	mg/L	1	11/18/2024 10:38	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.44		1	11/18/2024 10:38	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		453	mg/L	1	11/19/2024 11:02	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 11:02	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		854	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 13:10	R356354
Chloride	NELAP	1.00	5.00		19.6	mg/L	10	11/19/2024 13:10	R356354
Sulfate	NELAP	3.00	10.0		200	mg/L	10	11/19/2024 13:10	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		143	mg/L	1	11/20/2024 22:13	231371
Magnesium	NELAP	0.0550	0.500		68.0	mg/L	10	11/25/2024 14:54	231371
Potassium	NELAP	0.0400	0.100		0.576	mg/L	1	11/20/2024 22:13	231371
Sodium	NELAP	0.0180	0.0500		27.6	mg/L	1	11/20/2024 22:13	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 21:32	231371
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 21:32	231371
Barium	NELAP	0.0007	0.0010		0.0300	mg/L	5	11/20/2024 21:32	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:32	231371
Boron	NELAP	0.0092	0.0250		1.04	mg/L	5	11/20/2024 21:32	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:32	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 21:32	231371
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	11/20/2024 21:32	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:32	231371
Lithium	*	0.0015	0.0030	J	0.0020	mg/L	5	11/20/2024 21:32	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 21:32	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:32	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 21:32	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 12:08	231369



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110014-030
Matrix: GROUNDWATER

Work Order: 24110014
Report Date: 17-Dec-24
Client Sample ID: MW-32 Duplicate
Collection Date: 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		23.97	ft	1	11/18/2024 13:24	R356899
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.5	NTU	1	11/18/2024 13:24	R356899
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		44	mV	1	11/18/2024 13:24	R356899
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1290	µS/cm	1	11/18/2024 13:24	R356899
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	11/18/2024 13:24	R356899
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	11/18/2024 13:24	R356899
SW-846 9040B FIELD									
pH	*	0	1.00		6.37		1	11/18/2024 13:24	R356899
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		516	mg/L	1	11/19/2024 10:54	R356417
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/19/2024 10:54	R356417
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1050	mg/L	1	11/23/2024 11:19	R356657
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/19/2024 13:21	R356354
Chloride	NELAP	1.00	5.00		9.36	mg/L	10	11/19/2024 13:21	R356354
Sulfate	NELAP	3.00	10.0		309	mg/L	10	11/19/2024 13:21	R356354
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		160	mg/L	1	11/20/2024 22:15	231371
Magnesium	NELAP	0.0550	0.500		83.8	mg/L	10	11/25/2024 14:55	231371
Potassium	NELAP	0.0400	0.100		0.411	mg/L	1	11/20/2024 22:15	231371
Sodium	NELAP	0.0180	0.0500		58.2	mg/L	1	11/20/2024 22:15	231371
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	11/20/2024 21:38	231371
Arsenic	NELAP	0.0004	0.0010		0.0011	mg/L	5	11/20/2024 21:38	231371
Barium	NELAP	0.0007	0.0010		0.0448	mg/L	5	11/20/2024 21:38	231371
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:38	231371
Boron	NELAP	0.0092	0.0250		1.82	mg/L	5	11/20/2024 21:38	231371
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	11/20/2024 21:38	231371
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	11/20/2024 21:38	231371
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	11/20/2024 21:38	231371
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:38	231371
Lithium	*	0.0015	0.0030	J	0.0018	mg/L	5	11/20/2024 21:38	231371
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	11/20/2024 21:38	231371
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	11/20/2024 21:38	231371
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	11/20/2024 21:38	231371
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	11/20/2024 12:10	231369



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4

Work Order: 24110014
Report Date: 17-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24110014-001	MW-1	Groundwater	2	11/18/2024 11:17
24110014-002	MW-2	Groundwater	2	11/18/2024 10:32
24110014-003	MW-3	Groundwater	2	11/18/2024 13:30
24110014-004	MW-5	Groundwater	2	11/19/2024 11:40
24110014-005	MW-6	Groundwater	2	11/18/2024 11:40
24110014-006	MW-7	Groundwater	2	11/18/2024 12:21
24110014-007	MW-7S	Groundwater	2	11/18/2024 12:41
24110014-008	MW-8	Groundwater	2	11/18/2024 10:38
24110014-009	MW-8S	Groundwater	2	11/18/2024 0:00
24110014-010	MW-11	Groundwater	2	11/18/2024 11:55
24110014-011	MW-12	Groundwater	2	11/19/2024 13:42
24110014-012	MW-20	Groundwater	2	11/18/2024 14:03
24110014-013	MW-20S	Groundwater	2	11/19/2024 10:57
24110014-014	MW-23	Groundwater	2	11/18/2024 12:38
24110014-015	MW-27	Groundwater	2	11/18/2024 0:00
24110014-016	MW-28	Groundwater	2	11/19/2024 13:12
24110014-017	MW-30	Groundwater	2	11/19/2024 12:30
24110014-018	MW-31	Groundwater	2	11/18/2024 13:49
24110014-019	MW-31S	Groundwater	2	11/19/2024 12:04
24110014-020	MW-32	Groundwater	2	11/18/2024 13:24
24110014-025	PZ-4C	Groundwater	2	11/19/2024 9:44
24110014-026	SG-02	Groundwater	1	11/18/2024 9:55
24110014-027	XSG-01	Groundwater	1	11/18/2024 10:14
24110014-028	Field Blank	Aqueous	2	11/20/2024 10:31
24110014-029	MW-8 Duplicate	Groundwater	2	11/18/2024 10:38
24110014-030	MW-32 Duplicate	Groundwater	2	11/18/2024 13:24



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4

Work Order: 24110014
Report Date: 17-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R356899		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-BG											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	11/18/2024	

Batch R356899		SampType: LCS		Units μS/cm							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.6	90	110	11/18/2024	

Batch R356899		SampType: LCS		Units μS/cm							
SampID: LCS-2-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	11/19/2024	

Batch R356899		SampType: LCS		Units μS/cm							
SampID: LCS-3-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	11/20/2024	

SW-846 9040B FIELD

Batch R356899		SampType: LCS		Units							
SampID: LCS-1-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	11/18/2024	

Batch R356899		SampType: LCS		Units							
SampID: LCS-1-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4	11/18/2024	

Batch R356899		SampType: LCS		Units							
SampID: LCS-2-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	11/19/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 9040B FIELD

Batch R356899		SampType: LCS		Units							
SampID: LCS-3-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	11/20/2024	

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356657		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20	J	16	16.00	0	100.0	-100	100	11/23/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/23/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/22/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/22/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/22/2024	

Batch R356657		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Dissolved Solids		20		924	1000	0	92.4	90	110	11/22/2024	
Total Dissolved Solids		20		936	1000	0	93.6	90	110	11/22/2024	
Total Dissolved Solids		20		952	1000	0	95.2	90	110	11/22/2024	
Total Dissolved Solids		20		988	1000	0	98.8	90	110	11/23/2024	
Total Dissolved Solids		20		944	1000	0	94.4	90	110	11/23/2024	

Batch R356657		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111104-019ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	< 20				0	0.00	11/22/2024

Batch R356657		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111493-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			25		572				585.0	2.16	11/22/2024

Batch R356657		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111493-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			33		1650				1683	1.80	11/23/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356657		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24111622-001ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		40		544				560.0	2.90	11/23/2024

Batch R356657		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24111631-001ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		20		1060				1038	2.29	11/23/2024

Batch R356859		SampType: MBLK		Units mg/L						Date Analyzed	
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		11/26/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		11/26/2024

Batch R356859		SampType: LCS		Units mg/L						Date Analyzed	
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		902	1000	0	90.2	90	110		11/26/2024
Total Dissolved Solids		20		998	1000	0	99.8	90	110		11/26/2024

Batch R356859		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24111142-001ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		50	H	410				450.0	9.30	11/26/2024

Batch R356859		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24111493-007ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		100	H	10700				10320	3.24	11/26/2024

Batch R356878		SampType: MBLK		Units mg/L						Date Analyzed	
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		11/27/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		11/27/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		11/27/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch	R356878	SampType:	LCS	Units mg/L							
SampID: LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids			20		1020	1000	0	102.0	90	110	11/27/2024
Total Dissolved Solids			20		966	1000	0	96.6	90	110	11/27/2024
Total Dissolved Solids			20		1000	1000	0	100.2	90	110	11/27/2024

Batch R356878		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111809-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			33	H	1890				1844	2.68	11/27/2024

Batch R356878		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24111944-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	626				570.0	9.36	11/27/2024

Batch R356878		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24112164-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		1590				1750	9.58	11/27/2024

Batch R356878		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24112248-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		480				495.0	3.08	11/27/2024

Batch R357024	SampType: MBLK	Units mg/L								
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	12/02/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	12/02/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	12/02/2024



Quality Control Results

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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R357024	SampType: LCS	Units mg/L								
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		942	1000	0	94.2	90	110	12/02/2024
Total Dissolved Solids		20		980	1000	0	98.0	90	110	12/02/2024
Total Dissolved Solids		20		1010	1000	0	101.2	90	110	12/02/2024

Batch R357024		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111631-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	496				502.0	1.20	12/02/2024

Batch R357024		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111811-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	1200				1170	2.70	12/02/2024

Batch R357024		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24111853-005ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			33	H	1290				1296	0.78	12/02/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356354		SampType: MBLK		Units mg/L						
SampID: MBLK/ICB										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		ND						11/19/2024
Chloride		0.50		ND						11/19/2024
Sulfate		1.00		ND						11/19/2024

Batch R356354		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.96	1.000	0	96.1	90	110	11/19/2024
Chloride		0.50		20.2	20.00	0	101.1	90	110	11/19/2024
Sulfate		1.00		18.4	20.00	0	92.1	90	110	11/19/2024



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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356354		SampType: MS		Units mg/L						
SampID: 24110014-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.86	10.00	0	98.6	80	120	11/19/2024
Chloride		5.00		220	200.0	13.65	103.1	80	120	11/19/2024
Sulfate		10.0		279	200.0	87.02	95.8	80	120	11/19/2024

Batch R356354		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110014-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.86	10.00	0	98.6	9.858	0.05	11/19/2024
Chloride			5.00		219	200.0	13.65	102.6	219.9	0.43	11/19/2024
Sulfate			10.0		277	200.0	87.02	95.1	278.6	0.54	11/19/2024

Batch R356354		SampType: MS		Units mg/L						
SampID: 24110014-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.0	10.00	0.3810	96.3	80	120	11/19/2024
Chloride		5.00		218	200.0	14.17	102.0	80	120	11/19/2024
Sulfate		10.0		329	200.0	136.2	96.2	80	120	11/19/2024

Batch R356354		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24110014-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.50		10.0	10.00	0.3810	96.5	10.01	0.19	11/19/2024	
Chloride		5.00		219	200.0	14.17	102.3	218.2	0.25	11/19/2024	
Sulfate		10.0		329	200.0	136.2	96.4	328.6	0.11	11/19/2024	

Batch R356354		SampType: MS		Units mg/L							Date Analyzed
SampID: 24111493-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		9.81	10.00	0	98.1	80	120		
Chloride		5.00		260	200.0	46.84	106.4	80	120		
Sulfate		10.0		433	200.0	233.7	99.7	80	120		



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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356354		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24111493-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.84	10.00	0	98.4	9.811	0.33		
Chloride		5.00		260	200.0	46.84	106.4	259.7	0.01		
Sulfate		10.0		433	200.0	233.7	99.5	433.2	0.09		

Batch R356354		SampType: MS		Units mg/L							Date Analyzed
SampID: 24111493-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		10.6	10.00	0.6910	99.0	80	120		
Chloride		5.00		240	200.0	28.55	105.9	80	120		
Sulfate		10.0		365	200.0	167.5	99.0	80	120		

Batch R356354		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24111493-005BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		10.6	10.00	0.6910	99.1	10.59	0.15		
Chloride		5.00		241	200.0	28.55	106.1	240.3	0.15		
Sulfate		10.0		366	200.0	167.5	99.4	365.5	0.20		

Batch R356433		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK/ICB												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride		0.05		ND								
Chloride		0.50		ND								
Sulfate		1.00		ND								

Batch R356433		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.97	1.000	0	97.1	90	110	11/20/2024
Chloride		0.50		20.3	20.00	0	101.5	90	110	11/20/2024
Sulfate		1.00		18.5	20.00	0	92.4	90	110	11/20/2024



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Client: Ramboll

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433		SampType: MS		Units mg/L						
SampID: 24110014-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.99	10.00	0	99.9	80	120	11/20/2024
Chloride		5.00		256	200.0	42.63	106.5	80	120	11/20/2024
Sulfate		10.0		197	200.0	10.04	93.6	80	120	11/20/2024

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110014-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.92	10.00	0	99.2	9.994	0.72	11/20/2024
Chloride			5.00		254	200.0	42.63	105.5	255.6	0.81	11/20/2024
Sulfate			10.0		196	200.0	10.04	92.8	197.2	0.82	11/20/2024

Batch R356433		SampType: MS		Units mg/L						
SampID: 24110014-011AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.0	10.00	0	100.0	80	120	11/20/2024
Chloride		5.00		239	200.0	29.50	104.9	80	120	11/20/2024
Sulfate		10.0		550	200.0	348.1	101.2	80	120	11/20/2024

Batch R356433		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24110014-011AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.0	10.00	0	100.2	9.995	0.24	
Chloride			5.00		239	200.0	29.50	104.8	239.4	0.14	
Sulfate			10.0		549	200.0	348.1	100.4	550.4	0.30	

Batch R356433		SampType: MS		Units mg/L							
SampID: 24111493-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		7750	2000	5587	108.0	80	120	11/20/2024	

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24111493-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		7750	2000	5587	108.2	7747	0.06	11/20/2024	



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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433		SampType: MS		Units mg/L						
SampID: 24111622-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0.2150	98.4	80	120	11/20/2024
Chloride		5.00		233	200.0	25.03	103.9	80	120	11/20/2024
Sulfate		10.0		225	200.0	38.04	93.4	80	120	11/20/2024

Batch R356433		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed	
SampID: 24111622-002AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.50		9.99	10.00	0.2150	97.8	10.05	0.61	11/20/2024	
Chloride			5.00		232	200.0	25.03	103.4	232.8	0.44	11/20/2024	
Sulfate			10.0		224	200.0	38.04	92.8	224.8	0.53	11/20/2024	

Batch R356433		SampType: MS		Units mg/L						
SampID: 24111631-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.95	10.00	0	99.5	80	120	11/20/2024
Chloride		5.00		310	200.0	91.10	109.6	80	120	11/20/2024
Sulfate		10.0		449	200.0	249.7	99.7	80	120	11/20/2024

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24111631-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.98	10.00	0	99.8	9.953	0.31	11/20/2024
Chloride			5.00		310	200.0	91.10	109.3	310.4	0.22	11/20/2024
Sulfate			10.0		448	200.0	249.7	99.0	449.1	0.31	11/20/2024

Batch R356433		SampType: MS		Units mg/L						
SampID: 24111631-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.5120	99.4	80	120	11/20/2024
Chloride		5.00		288	200.0	70.58	108.9	80	120	11/20/2024
Sulfate		10.0		1190	200.0	979.2	105.6	80	120	11/20/2024



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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24111631-004BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.5	10.00	0.5120	99.5	10.45	0.15	11/20/2024
Chloride		5.00		289	200.0	70.58	109.0	288.4	0.07	11/20/2024
Sulfate		10.0		1190	200.0	979.2	105.8	1190	0.04	11/20/2024

Batch R356433		SampType: MS		Units mg/L						
SampID: 24111660-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	80	120	11/20/2024
Chloride		5.00		264	200.0	49.45	107.1	80	120	11/20/2024
Sulfate		10.0		209	200.0	21.28	94.0	80	120	11/20/2024

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24111660-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	9.842	0.02	11/20/2024
Chloride		5.00		263	200.0	49.45	106.6	263.6	0.33	11/20/2024
Sulfate		10.0		209	200.0	21.28	93.7	209.2	0.29	11/20/2024

Batch R356433		SampType: MS		Units mg/L						
SampID: 24111677-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	80	120	11/21/2024
Chloride		5.00		222	200.0	13.18	104.3	80	120	11/21/2024
Sulfate		10.0		189	200.0	0	94.7	80	120	11/21/2024

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24111677-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	9.837	0.02	11/21/2024
Chloride		5.00		222	200.0	13.18	104.2	221.7	0.09	11/21/2024
Sulfate		10.0		189	200.0	0	94.7	189.5	0.05	11/21/2024



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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356433		SampType: MS		Units mg/L						
SampID: 24111678-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.96	10.00	0	99.6	80	120	11/21/2024
Chloride		5.00		271	200.0	57.37	106.7	80	120	11/21/2024
Sulfate		10.0		259	200.0	70.09	94.6	80	120	11/21/2024

Batch R356433		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24111678-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.98	10.00	0	99.8	9.961	0.18	11/21/2024
Chloride			5.00		271	200.0	57.37	106.8	270.8	0.05	11/21/2024
Sulfate			10.0		259	200.0	70.09	94.5	259.3	0.10	11/21/2024

Batch R356537		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/21/2024	
Chloride		0.50		ND						11/21/2024	
Sulfate		1.00		ND						11/21/2024	

Batch R356537		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.97	1.000	0	97.3	90	110	11/21/2024
Chloride		0.50		20.3	20.00	0	101.5	90	110	11/21/2024
Sulfate		1.00		18.5	20.00	0	92.5	90	110	11/21/2024

Batch R356537		SampType: MS		Units mg/L						
SampID: 24110014-021AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0	100.6	80	120	11/21/2024
Chloride		5.00		235	200.0	24.57	105.4	80	120	11/21/2024
Sulfate		10.0		366	200.0	169.0	98.4	80	120	11/21/2024



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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356537		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110014-021AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.1	10.00	0	101.0	10.06	0.37	11/21/2024
Chloride		5.00		236	200.0	24.57	105.7	235.4	0.21	11/21/2024
Sulfate		10.0		366	200.0	169.0	98.2	365.9	0.10	11/21/2024

Batch R356537		SampType: MS		Units mg/L						
SampID: 24110910-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.2	10.00	0.3690	98.6	80	120	11/21/2024
Chloride		5.00		244	200.0	31.98	105.8	80	120	11/21/2024
Sulfate		10.0		1640	200.0	1446	99.2	80	120	11/21/2024

Batch R356537		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110910-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.3	10.00	0.3690	99.4	10.23	0.74	11/21/2024
Chloride		5.00		245	200.0	31.98	106.7	243.5	0.79	11/21/2024
Sulfate		10.0		1660	200.0	1446	104.9	1644	0.69	11/21/2024

Batch R356537		SampType: MS		Units mg/L						
SampID: 24111734-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.5040	99.1	80	120	11/21/2024
Chloride		5.00		220	200.0	11.83	103.9	80	120	11/21/2024
Sulfate		10.0		246	200.0	55.98	95.1	80	120	11/21/2024

Batch R356537		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24111734-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0.5040	99.1	10.41	0.06	11/21/2024
Chloride		5.00		220	200.0	11.83	103.9	219.5	0.00	11/21/2024
Sulfate		10.0		246	200.0	55.98	95.0	246.2	0.04	11/21/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356537		SampType: MS		Units mg/L						
SampID: 24111734-011AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.4410	98.9	80	120	11/21/2024
Chloride		5.00		237	200.0	27.45	104.8	80	120	11/21/2024
Sulfate		10.0		246	200.0	55.72	94.9	80	120	11/21/2024

Batch R356537		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24111734-011AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.4	10.00	0.4410	99.2	10.33	0.28	
Chloride			5.00		237	200.0	27.45	105.0	237.1	0.18	
Sulfate			10.0		245	200.0	55.72	94.8	245.6	0.09	

Batch R356537		SampType: MS		Units mg/L						
SampID: 24111735-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0	100.8	80	120	11/21/2024
Chloride		5.00		226	200.0	17.52	104.2	80	120	11/21/2024
Sulfate		10.0		349	200.0	152.7	98.0	80	120	11/21/2024

Batch R356537		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24111735-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.1	10.00	0	101.0	10.08	0.19	11/21/2024
Chloride			5.00		226	200.0	17.52	104.3	226.0	0.04	11/21/2024
Sulfate			10.0		348	200.0	152.7	97.8	348.8	0.15	11/21/2024

Batch R356537		SampType: MS		Units mg/L						
SampID: 24111752-003BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0	100.7	80	120	11/21/2024
Chloride		5.00		213	200.0	6.467	103.2	80	120	11/21/2024
Sulfate		10.0		204	200.0	16.50	93.9	80	120	11/21/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356537		SampType: MSD		Units mg/L				RPD Limit 15		
SampleID: 24111752-003BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.1	10.00	0	100.6	10.07	0.10	11/21/2024
Chloride		5.00		213	200.0	6.467	103.2	212.9	0.02	11/21/2024
Sulfate		10.0		204	200.0	16.50	93.8	204.3	0.06	11/21/2024

Batch R356537		SampType: MS		Units mg/L						
SampID: 24111796-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		5.00		100	100.0	0	100.4	80	120	11/21/2024
Chloride		50.0		6680	2000	4449	111.7	80	120	11/21/2024
Sulfate		100		2110	2000	211.0	94.8	80	120	11/21/2024

Batch R356537		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24111796-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		5.00		101	100.0	0	100.5	100.4	0.11	11/21/2024
Chloride		50.0		6680	2000	4449	111.7	6684	0.01	11/21/2024
Sulfate		100		2110	2000	211.0	94.8	2107	0.01	11/21/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231371		SampType: MBLK		Units mg/L						
SampleID: MBLK-231371										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/20/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/20/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/20/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/20/2024

Batch 231371		SampType: LCS		Units mg/L						
SampleID: LCS-231371										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.06	5.000	0	101.2	85	115	11/20/2024
Magnesium		0.0500		4.75	5.000	0	94.9	85	115	11/20/2024
Potassium		0.100		5.10	5.000	0	101.9	85	115	11/20/2024
Sodium		0.0500		5.21	5.000	0	104.1	85	115	11/20/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231371		SampType: MS		Units mg/L						
SampID: 24110014-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		62.4	5.000	56.60	116.6	75	125	11/20/2024
Magnesium		0.0500		30.4	5.000	25.61	96.0	75	125	11/22/2024
Potassium		0.100		5.45	5.000	0.2841	103.3	75	125	11/20/2024
Sodium		0.0500		20.2	5.000	16.39	76.8	75	125	11/20/2024

Batch 231371		SampType: MSD		Units mg/L						RPD Limit 20	
SampID: 24110014-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		60.9	5.000	56.60	86.8	62.43	2.42	11/20/2024	
Magnesium		0.0500		30.3	5.000	25.61	94.7	30.40	0.21	11/22/2024	
Potassium		0.100		5.41	5.000	0.2841	102.5	5.450	0.74	11/20/2024	
Sodium		0.0500		20.2	5.000	16.39	75.6	20.23	0.30	11/20/2024	

Batch 231431		SampType: MBLK		Units mg/L						
SampID: MBLK-231431										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	11/21/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/21/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	11/21/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/21/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/21/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/21/2024

Batch 231431		SampType: LCS		Units mg/L						
SampID: LCS-231431										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.02	1.000	0	102.5	85	115	11/21/2024
Calcium		0.100		4.99	5.000	0	99.8	85	115	11/21/2024
Lead		0.0150		0.990	1.000	0	99.0	85	115	11/21/2024
Magnesium		0.0500		4.66	5.000	0	93.1	85	115	11/21/2024
Potassium		0.100		5.07	5.000	0	101.4	85	115	11/21/2024
Sodium		0.0500		5.12	5.000	0	102.3	85	115	11/21/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231431		SampType: MS		Units mg/L							
SampID: 24111631-003DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		61.6	5.000	57.49	82.0	75	125	11/21/2024	
Magnesium		0.0500		4.54	5.000	0	90.8	75	125	11/21/2024	

Batch 231431		SampType: MSD		Units mg/L					RPD Limit 20		
SampID: 24111631-003DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100		63.4	5.000	57.49	117.4	61.59	2.83	11/21/2024
Magnesium			0.0500		4.70	5.000	0	93.9	4.538	3.41	11/21/2024

Batch 231433		SampType: MBLK		Units mg/L							
SampID: MBLK-231433											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	11/21/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/21/2024	
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	11/21/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/21/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/21/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/21/2024	

Batch 231433		SampType: LCS		Units mg/L						
SampID: LCS-231433										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.975	1.000	0	97.5	85	115	11/21/2024
Calcium		0.100		4.89	5.000	0	97.8	85	115	11/21/2024
Lead		0.0150		0.956	1.000	0	95.6	85	115	11/21/2024
Magnesium		0.0500		4.49	5.000	0	89.8	85	115	11/21/2024
Potassium		0.100		4.85	5.000	0	97.0	85	115	11/21/2024
Sodium		0.0500		5.01	5.000	0	100.3	85	115	11/21/2024

Batch 231433		SampType: MS		Units mg/L							
SampID: 24110014-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		112	5.000	107.6	83.0	75	125	11/21/2024	
Magnesium		0.0500		57.7	5.000	53.47	85.0	75	125	11/21/2024	
Potassium		0.100		5.62	5.000	0.6762	98.9	75	125	11/21/2024	
Sodium		0.0500	S	47.2	5.000	44.10	61.0	75	125	11/21/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 231433		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24110014-017BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	116	5.000	107.6	160.0	111.7	3.39	11/21/2024
Magnesium		0.0500		59.5	5.000	53.47	120.4	57.72	3.03	11/21/2024
Potassium		0.100		5.78	5.000	0.6762	102.1	5.623	2.73	11/21/2024
Sodium		0.0500		48.9	5.000	44.10	95.8	47.15	3.62	11/21/2024

Batch 231490		SampType: MBLK		Units mg/L						
SampID: MBLK-231490										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/26/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/25/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/25/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/26/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/26/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/25/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/26/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/25/2024

Batch 231490		SampType: LCS		Units mg/L						
SampID: LCS-231490										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.69	5.000	0	93.9	85	115	11/25/2024
Calcium		0.100		5.04	5.000	0	100.8	85	115	11/26/2024
Magnesium		0.0500		4.69	5.000	0	93.7	85	115	11/26/2024
Magnesium		0.0500		4.74	5.000	0	94.8	85	115	11/25/2024
Potassium		0.100		5.32	5.000	0	106.4	85	115	11/25/2024
Potassium		0.100		5.13	5.000	0	102.6	85	115	11/26/2024
Sodium		0.0500		5.26	5.000	0	105.3	85	115	11/25/2024
Sodium		0.0500		4.89	5.000	0	97.9	85	115	11/26/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231371 SampType: MBLK Units mg/L

SampleID: MBLK-231371

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	11/20/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/20/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/20/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/20/2024
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	11/20/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/20/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/20/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/20/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/20/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/20/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/20/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/20/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/20/2024

Batch 231371 SampType: LCS Units mg/L

SampleID: LCS-231371

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.946	1.000	0	94.6	80	120	11/20/2024
Arsenic		0.0010		1.02	1.000	0	101.7	80	120	11/20/2024
Barium		0.0010		4.38	4.000	0	109.6	80	120	11/20/2024
Beryllium		0.0010		0.0993	0.1000	0	99.3	80	120	11/20/2024
Boron		0.0250		0.979	1.000	0	97.9	80	120	11/20/2024
Cadmium		0.0010		0.113	0.1000	0	112.9	80	120	11/20/2024
Chromium		0.0015		0.410	0.4000	0	102.6	80	120	11/20/2024
Cobalt		0.0010		1.00	1.000	0	100.2	80	120	11/20/2024
Lead		0.0010		1.01	1.000	0	101.1	80	120	11/20/2024
Lithium	*	0.0030		0.999	1.000	0	99.9	80	120	11/20/2024
Molybdenum		0.0015		1.04	1.000	0	103.8	80	120	11/20/2024
Selenium		0.0010		1.00	1.000	0	100.4	80	120	11/20/2024
Thallium		0.0020		0.489	0.5000	0	97.9	80	120	11/20/2024



Quality Control Results

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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231371 SampType: MS Units mg/L

SampID: 24110014-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.950	1.000	0	95.0	75	125	11/20/2024
Arsenic		0.0010		0.989	1.000	0	98.9	75	125	11/20/2024
Barium		0.0010		4.39	4.000	0.05532	108.4	75	125	11/20/2024
Beryllium		0.0010		0.104	0.1000	0	103.8	75	125	11/20/2024
Cadmium		0.0010		0.112	0.1000	0	111.8	75	125	11/20/2024
Chromium		0.0015		0.400	0.4000	0	100.1	75	125	11/20/2024
Cobalt		0.0010		0.950	1.000	0.0001179	95.0	75	125	11/20/2024
Lead		0.0010		1.02	1.000	0	101.9	75	125	11/20/2024
Lithium	*	0.0030		1.05	1.000	0.001870	104.5	75	125	11/20/2024
Molybdenum		0.0015		1.04	1.000	0	103.8	75	125	11/20/2024
Selenium		0.0010		0.990	1.000	0	99.0	75	125	11/20/2024
Thallium		0.0020		0.492	0.5000	0	98.3	75	125	11/20/2024

Batch 231371 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24110014-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.937	1.000	0	93.7	0.9499	1.32	11/20/2024
Arsenic		0.0010		0.998	1.000	0	99.8	0.9885	0.95	11/20/2024
Barium		0.0010		4.33	4.000	0.05532	106.8	4.393	1.47	11/20/2024
Beryllium		0.0010		0.0981	0.1000	0	98.1	0.1038	5.71	11/20/2024
Cadmium		0.0010		0.111	0.1000	0	110.9	0.1118	0.85	11/20/2024
Chromium		0.0015		0.396	0.4000	0	98.9	0.4004	1.19	11/20/2024
Cobalt		0.0010		0.945	1.000	0.0001179	94.5	0.9504	0.56	11/20/2024
Lead		0.0010		0.994	1.000	0	99.4	1.019	2.46	11/20/2024
Lithium	*	0.0030		1.01	1.000	0.001870	100.4	1.047	4.02	11/20/2024
Molybdenum		0.0015		1.03	1.000	0	103.4	1.038	0.31	11/20/2024
Selenium		0.0010		0.990	1.000	0	99.0	0.9897	0.06	11/20/2024
Thallium		0.0020		0.493	0.5000	0	98.6	0.4915	0.28	11/20/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231431 SampType: MBLK Units mg/L

SampleID: MBLK-231431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	11/22/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/22/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/22/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/22/2024
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	11/22/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/22/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/22/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/22/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/22/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/22/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/22/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/22/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/22/2024

Batch 231431 SampType: LCS Units mg/L

SampleID: LCS-231431

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	E	1.13	1.000	0	113.3	85	115	11/22/2024
Arsenic		0.0010		1.06	1.000	0	106.3	85	115	11/22/2024
Barium		0.0010		4.30	4.000	0	107.5	85	115	11/22/2024
Beryllium		0.0010		0.107	0.1000	0	107.0	85	115	11/22/2024
Boron	*	0.0250		1.03	1.000	0	103.0	85	115	11/22/2024
Cadmium		0.0010		0.111	0.1000	0	111.4	85	115	11/22/2024
Chromium		0.0015		0.416	0.4000	0	104.1	85	115	11/22/2024
Cobalt		0.0010		0.985	1.000	0	98.5	85	115	11/22/2024
Lead		0.0010	E	1.03	1.000	0	102.7	85	115	11/22/2024
Lithium	*	0.0030		1.07	1.000	0	106.7	85	115	11/22/2024
Molybdenum		0.0015		1.04	1.000	0	103.7	85	115	11/22/2024
Selenium		0.0010		0.994	1.000	0	99.4	85	115	11/22/2024
Thallium		0.0020		0.491	0.5000	0	98.1	85	115	11/22/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231431 SampType: MS Units mg/L

SampID: 24111631-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		0.976	1.000	0.02101	95.5	70	130	11/22/2024
Barium		0.0010		4.20	4.000	0.08572	102.9	70	130	11/22/2024
Beryllium		0.0010		0.104	0.1000	0	103.7	70	130	11/22/2024
Boron	*	0.0250		9.25	1.000	8.051	119.8	70	130	11/27/2024
Cadmium		0.0010		0.107	0.1000	0.0009327	105.7	70	130	11/22/2024
Chromium		0.0015		0.385	0.4000	0	96.3	70	130	11/22/2024
Lead		0.0010	E	1.01	1.000	0	100.5	70	130	11/22/2024
Selenium		0.0010		0.944	1.000	0.03647	90.8	70	130	11/22/2024

Batch 231431 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24111631-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		0.976	1.000	0.02101	95.5	0.9761	0.02	11/22/2024
Barium		0.0010		4.62	4.000	0.08572	113.4	4.204	9.48	11/22/2024
Beryllium		0.0010		0.106	0.1000	0	105.8	0.1037	2.04	11/22/2024
Boron	*	0.0250		8.97	1.000	8.051	92.1	9.249	3.04	11/27/2024
Cadmium		0.0010		0.118	0.1000	0.0009327	117.2	0.1066	10.29	11/22/2024
Chromium		0.0015		0.389	0.4000	0	97.2	0.3854	0.86	11/22/2024
Lead		0.0010	E	1.07	1.000	0	106.5	1.005	5.82	11/22/2024
Selenium		0.0010		0.927	1.000	0.03647	89.0	0.9443	1.88	11/22/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231433 SampType: MBLK Units mg/L
SampID: MBLK-231433

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	11/22/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/26/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/26/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/22/2024
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	11/26/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/26/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	11/26/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/22/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/22/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/22/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/22/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/26/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/22/2024

Batch 231433 SampType: LCS Units mg/L
SampID: LCS-231433

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	SE	1.17	1.000	0	117.1	85	115	11/22/2024
Antimony		0.0010		1.06	1.000	0	105.9	85	115	11/27/2024
Arsenic		0.0010		0.957	1.000	0	95.7	85	115	11/26/2024
Barium		0.0010		4.45	4.000	0	111.3	85	115	11/26/2024
Beryllium		0.0010		0.107	0.1000	0	107.2	85	115	11/22/2024
Boron	*	0.0250		0.931	1.000	0	93.1	85	115	11/26/2024
Cadmium		0.0010		0.0970	0.1000	0	97.0	85	115	11/26/2024
Chromium		0.0015		0.380	0.4000	0	95.0	85	115	11/26/2024
Cobalt		0.0010		0.986	1.000	0	98.6	85	115	11/22/2024
Lead		0.0010	E	1.10	1.000	0	110.0	85	115	11/22/2024
Lithium	*	0.0030		1.08	1.000	0	108.1	85	115	11/22/2024
Molybdenum		0.0015		1.02	1.000	0	102.4	85	115	11/22/2024
Selenium		0.0010		0.959	1.000	0	95.9	85	115	11/26/2024
Thallium		0.0020		0.520	0.5000	0	104.1	85	115	11/22/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231433		SampType: MS		Units mg/L						
SampID: 24110014-017BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.17	1.000	0	116.6	75	125	11/27/2024
Arsenic		0.0010		1.11	1.000	0.02108	108.9	75	125	11/27/2024
Barium		0.0020		4.40	4.000	0.1917	105.2	75	125	12/03/2024
Beryllium		0.0010		0.104	0.1000	0	104.5	75	125	11/22/2024
Boron		0.0250		2.13	1.000	1.139	98.9	75	125	11/22/2024
Cadmium		0.0010		0.113	0.1000	0	112.6	75	125	11/27/2024
Chromium		0.0015		0.402	0.4000	0	100.5	75	125	11/22/2024
Cobalt		0.0010		0.931	1.000	0.002438	92.9	75	125	11/22/2024
Lead		0.0010		1.04	1.000	0	103.9	75	125	11/22/2024
Lithium	*	0.0030		1.02	1.000	0	102.2	75	125	11/22/2024
Molybdenum		0.0015		1.18	1.000	0.001665	118.2	75	125	12/02/2024
Selenium		0.0010		1.07	1.000	0	107.3	75	125	11/27/2024
Thallium		0.0020		0.490	0.5000	0	98.1	75	125	11/22/2024

Batch 231433		SampType: MSD	Units mg/L				RPD Limit 20			
SampID: 24110014-017BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		1.18	1.000	0	117.9	1.166	1.11	11/27/2024
Arsenic		0.0010		1.15	1.000	0.02108	112.7	1.111	3.30	11/27/2024
Barium		0.0020		4.55	4.000	0.1917	108.9	4.399	3.35	12/03/2024
Beryllium		0.0010		0.106	0.1000	0	105.8	0.1045	1.29	11/22/2024
Boron		0.0250		2.16	1.000	1.139	102.0	2.128	1.47	11/22/2024
Cadmium		0.0010		0.115	0.1000	0	115.5	0.1126	2.49	11/27/2024
Chromium		0.0015		0.401	0.4000	0	100.3	0.4019	0.19	11/22/2024
Cobalt		0.0010		0.954	1.000	0.002438	95.2	0.9311	2.45	11/22/2024
Lead		0.0010		1.04	1.000	0	103.8	1.039	0.08	11/22/2024
Lithium	*	0.0030		1.04	1.000	0	103.9	1.022	1.63	11/22/2024
Molybdenum		0.0015		1.15	1.000	0.001665	115.2	1.183	2.56	12/02/2024
Selenium		0.0010		1.10	1.000	0	109.9	1.073	2.40	11/27/2024
Thallium		0.0020		0.508	0.5000	0	101.6	0.4904	3.56	11/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231490		SampType: MBLK		Units mg/L							
SampID: MBLK-231490											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	11/25/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	11/25/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	11/25/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	11/25/2024	
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	11/25/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	11/25/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/02/2024	
Chromium		0.0015	S	0.0025	0.0007	0	355.7	-100	100	11/27/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	11/25/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	11/25/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	11/25/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	11/25/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	11/25/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	11/25/2024	

Batch 231490		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-231490											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010	E	1.14	1.000	0	113.6	85	115	11/25/2024	
Arsenic		0.0010		1.12	1.000	0	111.9	85	115	11/25/2024	
Barium		0.0010		4.41	4.000	0	110.3	85	115	11/27/2024	
Beryllium		0.0010		0.104	0.1000	0	103.6	85	115	11/25/2024	
Boron	*	0.0250		1.01	1.000	0	101.4	85	115	11/25/2024	
Cadmium		0.0010		0.110	0.1000	0	110.0	85	115	11/25/2024	
Chromium		0.0015		0.386	0.4000	0	96.4	85	115	11/27/2024	
Cobalt		0.0010		1.09	1.000	0	108.6	85	115	11/25/2024	
Lead		0.0010	E	0.905	1.000	0	90.5	85	115	11/25/2024	
Lithium	*	0.0030		1.06	1.000	0	106.2	85	115	11/25/2024	
Molybdenum		0.0015		1.08	1.000	0	108.0	85	115	11/25/2024	
Selenium		0.0010		1.10	1.000	0	109.9	85	115	11/25/2024	
Thallium		0.0020		0.464	0.5000	0	92.9	85	115	11/25/2024	

Batch 231490		SampType: MS		Units mg/L							
SampID: 24111734-023BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Selenium		0.0010		1.15	1.000	0	115.2	70	130	11/25/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231490		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24111734-023BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium			0.0010		1.14	1.000	0	113.6	1.152	1.32	11/25/2024

Batch 232040		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK-232040												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	12/11/2024		
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/10/2024		
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	12/10/2024		
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	12/11/2024		
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/10/2024		
Lead		0.0010	S	0.443	0.0006	0	73810	-100	100	12/11/2024		
Lead		0.0010	S	0.408	0.0006	0	68040	-100	100	12/10/2024		
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/10/2024		
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/10/2024		
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/10/2024		

Batch 232040		SampType: LCS		Units mg/L							Date Analyzed	
SampID: LCS-232040												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		0.0010	S	1.17	1.000	0	116.6	85	115	12/11/2024		
Arsenic		0.0010		1.00	1.000	0	100.5	85	115	12/10/2024		
Boron	*	0.0250		1.01	1.000	0	100.5	85	115	12/11/2024		
Boron	*	0.0250		0.973	1.000	0	97.3	85	115	12/10/2024		
Cobalt		0.0010		0.994	1.000	0	99.4	85	115	12/10/2024		
Lead		0.0010	BE	1.00	1.000	0	100.5	85	115	12/10/2024		
Lead		0.0010	B	1.12	1.000	0	111.7	85	115	12/11/2024		
Lithium	*	0.0030		0.927	1.000	0	92.7	85	115	12/10/2024		
Molybdenum		0.0015		0.997	1.000	0	99.7	85	115	12/10/2024		
Selenium		0.0010		1.01	1.000	0	100.6	85	115	12/10/2024		

Batch 232040		SampType: MS		Units mg/L							
SampID: 24110014-001BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron			0.0250		1.32	1.000	0.3003	101.6	75	125	12/11/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 232040		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24110014-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			0.0250		1.32	1.000	0.3003	101.6	1.316	0.04	12/11/2024

SW-846 7470A (TOTAL)

Batch 231369		SampType: MBLK		Units mg/L							
SampID: MBLK-231369											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	11/20/2024	

Batch 231369		SampType: LCS		Units mg/L							
SampID: LCS-231369											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00498	0.0050	0	99.5	85	115	11/20/2024	

Batch 231369		SampType: MS		Units mg/L							
SampID: 24110014-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00481	0.0050	0	96.2	75	125	11/20/2024	

Batch 231369		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110014-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00478	0.0050	0	95.6	0.004812	0.65	11/20/2024

Batch 231369		SampType: MS		Units mg/L							
SampID: 24110014-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00420	0.0050	0	84.0	75	125	11/20/2024	

Batch 231369		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110014-018BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00405	0.0050	0	81.0	0.004200	3.65	11/20/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 7470A (TOTAL)

Batch 231451		SampType: MBLK		Units mg/L							
SampID: MBLK-231451											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	11/21/2024	

Batch 231451		SampType: LCS		Units mg/L							
SampID: LCS-231451											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00443	0.0050	0	88.6	85	115	11/21/2024	

Batch 231451		SampType: MS		Units mg/L							
SampID: 24110014-011BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00442	0.0050	0	88.4	75	125	11/21/2024	

Batch 231451		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 24110014-011BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.00020		0.00432	0.0050	0	86.3	0.004422	2.44	11/21/2024	

Batch 231451		SampType: MS		Units mg/L							
SampID: 24111603-001AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00412	0.0050	0	82.4	75	125	11/21/2024	

Batch 231451		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24111603-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00417	0.0050	0	83.4	0.004120	1.23	11/21/2024

Batch 231510		SampType: MBLK		Units mg/L							
SampID: MBLK-231510											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	11/22/2024	

Batch 231510		SampType: LCS		Units mg/L							
SampID: LCS-231510											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00468	0.0050	0	93.7	85	115	11/22/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

SW-846 7470A (TOTAL)

Batch 231510		SampType: MS		Units mg/L							
SampID: 24110014-021BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00476	0.0050	0	95.2	75	125	11/22/2024	

Batch 231510		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110014-021BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00459	0.0050	0	91.8	0.004759	3.65	11/22/2024	

Batch 231510		SampType: MS		Units mg/L							
SampID: 24110014-022BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00467	0.0050	0	93.5	75	125	11/22/2024	

Batch 231510		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110014-022BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00471	0.0050	0	94.3	0.004673	0.90	11/22/2024



Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110014

Client Project: KIN-24Q4

Report Date: 17-Dec-24

Carrier: Daniel Crump

Received By: JMD

Completed by:

On:

18-Nov-24

Amber Dilallo

Reviewed by:

On:

20-Nov-24

Elizabeth A. Hurley

Pages to follow:

Chain of custody

6

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.1

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☒

Lab ☐

NA ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☒

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

pH strip #96651. - LH/amberdilallo - 11/18/2024 4:28:13 PM

Samples were received on 11/19/24 at 1510 on ice [3.9C/4.3C - LTG#5]. Additional Nitric Acid (100984) was needed in MW-5, MW-12, MW-30, and MW-31S upon arrival at the laboratory. pH strip #96651. - amberdilallo - 11/19/2024 3:47:26 PM

Samples were received on 11/20/24 at 1200 on ice [3.1C - LTG#5]. pH strip #96651. - JD/amberdilallo - 11/20/2024 5:14:53 PM

24110014

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 3	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SLO/SOLID SL OIL OL WIPE WP AIR AR OTHER OT ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No. / Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-NE-141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																			
KIN-24Q4 Rev 0		2-1 SO		11-18	1600	Jackie Davis		11/18/24	16:00	5.1	>	z																	
<table border="1"> <tr> <td colspan="2">SAMPLER NAME AND SIGNATURE</td> <td rowspan="3">Temp in °C</td> <td rowspan="3">Received on Ice (Y/N)</td> <td rowspan="3">Custody Sealed Cooler (Y/N)</td> <td rowspan="3">Samples Intact (Y/N)</td> </tr> <tr> <td colspan="2">PRINT Name of SAMPLER: Justin Galt</td> </tr> <tr> <td colspan="2">SIGNATURE of SAMPLER: Justin Galt</td> </tr> <tr> <td colspan="2">DATE Signed (MM/DD/YY): 11-18-24</td> <td colspan="4"></td> </tr> </table>														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: Justin Galt		SIGNATURE of SAMPLER: Justin Galt		DATE Signed (MM/DD/YY): 11-18-24					
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: Justin Galt																													
SIGNATURE of SAMPLER: Justin Galt																													
DATE Signed (MM/DD/YY): 11-18-24																													

PHV 96051 LT 11/18/24

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

Page: 2 of 3

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Beth Gillihan					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 11-18-24				

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

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

Page: 3 of 3

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Billihan					
SIGNATURE of SAMPLER:  DATE Signed (MM/DD/YY): 11-18-24					

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold	
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:	

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	Preservatives								Analysis Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME		Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other					
1	MW-1	WT	G																24110014-001	
2	MW-2	WT	G																24110014-002	
3	MW-3	WT	G																24110014-003	
4	MW-5	WT	G	11-19-24	1140														24110014-004	
5	MW-6	WT	G																24110014-005	
6	MW-7	WT	G																24110014-006	
7	MW-7S	WT	G																24110014-007	
8	MW-8	WT	G																24110014-008	
9	MW-8S	WT	G																24110014-009	
10	MW-11	WT	G																24110014-010	
11	MW-12	WT	G	11-19-24	1342														24110014-011	
12	MW-20	WT	G																24110014-012	
13	MW-20S	WT	G	11-19-24	1057														24110014-013	
14	MW-23	WT	G																24110014-014	
15	MW-27	WT	G																24110014-015	
16	MW-28	WT	G	11-19-24	1312														24110014-016	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
KIN-24Q4 Rev 0	-S2 SO	11-19	1510	Justin Gelp	11/19/24	1510	39

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:	Justin Gelp				
SIGNATURE of SAMPLER:	Justin Gelp	DATE Signed (MM/DD/YY):	11-19-24		

Added HNO₃ (100984) to

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

Page: 2 of 3

Requested Analysis Filtered (Y/N)

SAMPLER NAME AND SIGNATURE

DATE Signed (MM/DD/YY): 11-19-24

Temp in °C	Received on Ice (Y/N)	Custodialized Cooler (Y/N)	Samples intact (Y/N)
------------	-----------------------	----------------------------	----------------------

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Section B
Required Project Information:

Section C
Invoice Information:

Page: 2 of 3

Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies	Attention: Brian Voelker, Tim Arnold	REGULATORY AGENCY		
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager: Liz Hurley	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:		

ITEM #	Section D Required Client Information	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C-COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test [Y/N]	Requested Analysis Filtered (Y/N)							Residual Chlorine (Y/N)	Project No./ Lab I.D.		
			MATRIX	CODE																												
			DRINKING WATER	DW																												
			WATER	WT																												
			WASTE WATER	WW																												
			PRODUCT SOIL/SOLID	P SL																												
OIL	OL																															
WIPE	WP																															
AIR	AR																															
OTHER TISSUE	OT TS																															
1		MW-30	WT	G							2	1		H ₂ SO ₄		X	X													24110014-017		
2		MW-31	WT	G							2	1		HNO ₃		X	X													24110014-018		
3		MW-31S	WT	G							2	1		HCl		X	X													24110014-019		
4		MW-32	WT	G							2	1		NaOH		X	X													24110014-020		
5		MW-33S	WT	G		11-20-24	0931				2	1		Na ₂ S ₂ O ₅				X												24110014-021		
6		MW-34S	WT	G		J	1023				2	1		Other				X												24110014-022		
7		MW-36S	WT	G		↓	0953				2	1						X												24110014-023		
8		PZ-4A	WT	G							2	1						X												24110014-024		
9		PZ-4C	WT	G							2	1				X	X													24110014-025		
10		SG-02	WT	G							0					X	X													24110014-026		
11		XSG-01	WT	G							0					X	X													24110014-027		
12		Field Blank	WT	G		11-20-24	1031				2	1				X	X	X												24110014-028		
13		MW-8 Duplicate	WT	G							2	1				X	X													24110014-029		
14		MW-32 Duplicate	WT	G							2	1				X	X													24110014-030		
15		MW-35S Duplicate	WT	G		11-20-24	0953				2	1						X												24110014-031		
16		Equipment Blank 1	WT	G							2	1				X	X	X												24110014-032		
ADDITIONAL COMMENTS		RELINQUISHED BY/AFFILIATION					DATE		TIME		ACCEPTED BY/AFFILIATION					DATE		TIME		SAMPLE CONDITIONS												
KIN-24Q4 Rev 0		[Signature] SP					11-20-2000		1200		Dmiller O'Leary					11/20/2000		NOC		>												
</																																

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: Justin Cole					
SIGNATURE of SAMPLER: <i>Justin Cole</i>	DATE Signed (MM/DD/YY): 11-20-24				

December 27, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: KIN-24Q4

WorkOrder: 24110015

Dear Eric Bauer:

TEKLAB, INC received 32 samples on 11/20/2024 12:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	34
Receiving Check List	35
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

Cooler Receipt Temp: 5.1 °C

An employee of Teklab, Inc. collected the sample(s).

MW-8S and MW-27 could not be collected; the wells were dry.

Equipment Blanks were not needed. EAH 11/20/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		1/31/2026	Collinsville
Kentucky	KWLCP	KY98006		1/31/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-001
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-1
Collection Date: 11/18/2024 11:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 13:01	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-002
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-2
Collection Date: 11/18/2024 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 14:47	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-003
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-3
Collection Date: 11/18/2024 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 14:47	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-004
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24

Client Sample ID: MW-5

Collection Date: 11/19/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 14:47	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-005
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-6
Collection Date: 11/18/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 14:47	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-006
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-7
Collection Date: 11/18/2024 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 14:47	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-007
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-7S
Collection Date: 11/18/2024 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/11/2024 14:47	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-008
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-8
Collection Date: 11/18/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:05	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-010
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-11
Collection Date: 11/18/2024 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:05	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-011
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-12
Collection Date: 11/19/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:05	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-012
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-20
Collection Date: 11/18/2024 14:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:05	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll

Client Project: KIN-24Q4

Lab ID: 24110015-013

Matrix: GROUNDWATER

Work Order: 24110015

Report Date: 27-Dec-24

Client Sample ID: MW-20S

Collection Date: 11/19/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:05	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll

Client Project: KIN-24Q4

Lab ID: 24110015-014

Matrix: GROUNDWATER

Work Order: 24110015

Report Date: 27-Dec-24

Client Sample ID: MW-23

Collection Date: 11/18/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:06	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-016
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-28
Collection Date: 11/19/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:06	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-017
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-30
Collection Date: 11/19/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:06	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-018
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-31
Collection Date: 11/18/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:06	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-019
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-31S
Collection Date: 11/19/2024 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 15:08	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-020
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-32
Collection Date: 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 15:08	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-021
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-33S
Collection Date: 11/20/2024 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:08	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-022
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-34S
Collection Date: 11/20/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 15:10	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-023
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-35S
Collection Date: 11/20/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/18/2024 8:53	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-024
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: PZ-4A
Collection Date: 11/19/2024 10:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/18/2024 8:53	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-025
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: PZ-4C
Collection Date: 11/19/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 18:55	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-026
Matrix: AQUEOUS

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: Field Blank
Collection Date: 11/20/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/18/2024 8:54	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-027
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-8 Duplicate
Collection Date: 11/18/2024 10:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:09	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-028
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-32 Duplicate
Collection Date: 11/18/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/16/2024 12:09	R358144



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4
Lab ID: 24110015-029
Matrix: GROUNDWATER

Work Order: 24110015
Report Date: 27-Dec-24
Client Sample ID: MW-35S Duplicate
Collection Date: 11/20/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/18/2024 8:54	R358144



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q4

Work Order: 24110015
Report Date: 27-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24110015-001	MW-1	Groundwater	1	11/18/2024 11:17
24110015-002	MW-2	Groundwater	1	11/18/2024 10:32
24110015-003	MW-3	Groundwater	1	11/18/2024 13:30
24110015-004	MW-5	Groundwater	1	11/19/2024 11:40
24110015-005	MW-6	Groundwater	1	11/18/2024 11:40
24110015-006	MW-7	Groundwater	1	11/18/2024 12:21
24110015-007	MW-7S	Groundwater	1	11/18/2024 12:41
24110015-008	MW-8	Groundwater	1	11/18/2024 10:38
24110015-009	MW-8S	Groundwater	1	11/18/2024 0:00
24110015-010	MW-11	Groundwater	1	11/18/2024 11:55
24110015-011	MW-12	Groundwater	1	11/19/2024 13:42
24110015-012	MW-20	Groundwater	1	11/18/2024 14:03
24110015-013	MW-20S	Groundwater	1	11/19/2024 10:57
24110015-014	MW-23	Groundwater	1	11/18/2024 12:38
24110015-015	MW-27	Groundwater	1	11/18/2024 0:00
24110015-016	MW-28	Groundwater	1	11/19/2024 13:12
24110015-017	MW-30	Groundwater	1	11/19/2024 12:30
24110015-018	MW-31	Groundwater	1	11/18/2024 13:49
24110015-019	MW-31S	Groundwater	1	11/19/2024 12:04
24110015-020	MW-32	Groundwater	1	11/18/2024 13:24
24110015-021	MW-33S	Groundwater	1	11/20/2024 9:31
24110015-022	MW-34S	Groundwater	1	11/20/2024 10:23
24110015-023	MW-35S	Groundwater	1	11/20/2024 9:53
24110015-024	PZ-4A	Groundwater	1	11/19/2024 10:08
24110015-025	PZ-4C	Groundwater	1	11/19/2024 9:44
24110015-026	Field Blank	Aqueous	1	11/20/2024 10:31
24110015-027	MW-8 Duplicate	Groundwater	1	11/18/2024 10:38
24110015-028	MW-32 Duplicate	Groundwater	1	11/18/2024 13:24
24110015-029	MW-35S Duplicate	Groundwater	1	11/20/2024 9:53
24110015-030	Equipment Blank 1	Aqueous	1	
24110015-031	Equipment Blank 2	Aqueous	1	
24110015-032	Equipment Blank 3	Aqueous	1	



Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24110015

Client Project: KIN-24Q4

Report Date: 27-Dec-24

Carrier: Daniel Crump

Received By: JMD

Completed by:

On:

18-Nov-24

Amber Dilallo

Reviewed by:

On:

20-Nov-24

Elizabeth A. Hurley

Pages to follow:

Chain of custody

6

Extra pages included

35

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 5.1

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☒

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

Additional Nitric Acid (100984) was needed upon arrival at the laboratory for MW-8. pH strip #96651. - JD/amberdilallo - 11/18/2024 4:35:11 PM

Samples were received on 11/19/24 at 1510 on ice [3.9C/4.3C - LTG#5]. Additional Nitric Acid (100984) was needed in MW-5, MW-30, and MW-31S upon arrival at the laboratory. pH strip #96651. - amberdilallo - 11/19/2024 3:53:20 PM

Samples were received on 11/20/24 at 1200 on ice [3.1C - LTG#5]. pH strip #96651. - JD/amberdilallo - 11/20/2024 5:17:20 PM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 3	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)												Ra226+228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		Analysis Test	KIN-257-141	KIN-845-141	KIN-NE-141	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT ISSUE TS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

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: Brett Gidlikan							
SIGNATURE of SAMPLER: [Signature]							
DATE Signed (MM/DD/YY): 11-18-24							

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 3	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT Tissue TS	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Ra226+228, only	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	KIN-257-141	KIN-845-141	KIN-NE-141										
1	Equipment Blank 2		WT	G				2		2							X	X	X											24110015-031
2	Equipment Blank 3		WT	G				2		2							X	X	X											24110015-032
3																														
4																														
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			
KIN-24Q4 Rev 0	Bret Gillman	11-18	1600	Jackie Davis	11/18/24	16:00		Y	N	

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: Bret Gillman							
SIGNATURE of SAMPLER: [Signature]							
				DATE Signed (MM/DD/YY): 11-18-24			

24110015

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 3	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Ra226+228, only	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-NE-141															
1	MW-1	WT	G				2								X	X	X																24110015-001		
2	MW-2	WT	G				2								X	X	X																24110015-002		
3	MW-3	WT	G				2								X	X																	24110015-003		
4	MW-5	WT	G			11-19-24	1140								X	X																	24110015-004		
5	MW-6	WT	G												X	X																	24110015-005		
6	MW-7	WT	G												X	X																	24110015-006		
7	MW-7S	WT	G												X	X																	24110015-007		
8	MW-8	WT	G												X	X																	24110015-008		
9	MW-8S	WT	G												X	X																	24110015-009		
10	MW-11	WT	G												X	X																	24110015-010		
11	MW-12	WT	G			11-19-24	1342								X	X																	24110015-011		
12	MW-20	WT	G												X	X																	24110015-012		
13	MW-20S	WT	G			11-19-24	1057								X	X																	24110015-013		
14	MW-23	WT	G												X	X																	24110015-014		
15	MW-27	WT	G												X	X																	24110015-015		
16	MW-28	WT	G			11-19-24	1312								X	X																	24110015-016		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q4 Rev 0		[Signature]		11-19	1512	[Signature]		11/19/24	1500	3.9	>	z	
										4.3	#5		

Added HNO3 / 100 g (94) to

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:	DATE Signed (MM/DD/YY):				
SIGNATURE of SAMPLER:	11-19-24				

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

Page: 2 of 3

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Ra226+228, only					
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-NE-141												Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30		WT	G	11-19-24	1230		2		2							X	X														24110015-017	
2	MW-31		WT	G				2		2							X	X														24110015-018	
3	MW-31S		WT	G	11-19-24	1204		2		2							X	X														24110015-019	
4	MW-32		WT	G				2		2							X	X														24110015-020	
5	MW-33S		WT	G				2		2									X													24110015-021	
6	MW-34S		WT	G				2		2									X													24110015-022	
7	MW-35S		WT	G				2		2									X													24110015-023	
8	PZ-4A		WT	G	11-19-24	1008		2		2									X													24110015-024	
9	PZ-4C		WT	G	11-19-24	0944		2		2							X	X														24110015-025	
10	SG-02		WT	G				0									X	X														N/A	
11	XSG-01		WT	G				0									X	X														N/A	
12	Field Blank		WT	G				2		2							X	X	X													24110015-026	
13	MW-08 Duplicate		WT	G				2		2							X	X														24110015-027	
14	MW-32 Duplicate		WT	G				2		2							X	X														24110015-028	
15	MW-35S Duplicate		WT	G				2		2									X													24110015-029	
16	Equipment Blank 1		WT	G				2		2							X	X	X													24110015-030	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																				
KIN-24Q4 Rev 0			[Signature]			11-19	1510	[Signature]			11/19/15	1510																					

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:	Justin Lap				
SIGNATURE of SAMPLER:	Justin Lap	DATE Signed (MM/DD/YY):	11-11-24		

PH 96651
3.1 #5 Ice JD 11/20/24

24110015

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 3	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold			
Address: 199 IL 104		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Kincaid, IL 62540		Tim Arnold: Tim.Arnold@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Ra226+228, only							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-NE-141																Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-30		WT	G				2			2							X	X															24110015-017			
2	MW-31		WT	G				2			2							X	X															24110015-018			
3	MW-31S		WT	G				2			2							X	X															24110015-019			
4	MW-32		WT	G				2			2							X	X															24110015-020			
5	MW-33S		WT	G	11-20-24	0931		2			2									X														24110015-021			
6	MW-34S		WT	G	↓	1023		2			2									X														24110015-022			
7	MW-35S		WT	G	↓	0953		2			2									X														24110015-023			
8	PZ-4A		WT	G				2			2									X														24110015-024			
9	PZ-4C		WT	G				2			2							X	X															24110015-025			
10	SG-02		WT	G				0										X	X															N/A			
11	XSG-01		WT	G				0										X	X															N/A			
12	Field Blank		WT	G	11-20-24	1031		2			2							X	X	X														24110015-026			
13	MW-08 Duplicate		WT	G				2			2							X	X															24110015-027			
14	MW-32 Duplicate		WT	G				2			2							X	X															24110015-028			
15	MW-35S Duplicate		WT	G	11-20-24	0953		2			2									X														24110015-029			
16	Equipment Blank 1		WT	G				2			2							X	X	X														24110015-030			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																				
KIN-24Q4 Rev 0			-32 JD			11-20		1200		Justin Galt			11/20/24		1200		> z																				

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:		Justin Galt	
SIGNATURE of SAMPLER:		[Signature]	
DATE Signed (MM/DD/YY):		11-20-24	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 12/26/2024 7:05:24 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24110015

JOB NUMBER

160-56404-1

Job Notes

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

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

Authorization

Generated
12/26/2024 7:05:24 PM

Authorized for release by
Rhonda Ridenhower, Business Unit Manager
Rhonda.Ridenhower@et.eurofinsus.com
Designee for
Erika Smith, Project Manager
erika.smith@et.eurofinsus.com
(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-56404-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24110015

Report Number: 160-56404-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

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

Receipt

The samples were received on 11/22/2024 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 8 coolers at receipt time were 8.4°C, 15.0°C, 16.5°C, 17.6°C, 18.2°C, 18.2°C, 18.2°C and 18.6°C.

Sample 24110015-028 (160-56404-26) had its Collection time changed from 11/18/2024 12:24:00 PM to 11/18/2024 1:24:00 PM per the email from the client. The email is included in the final report for documentation.

Method 903.0 - Radium-226 (GFPC)

Samples 24110015-001 (160-56404-1), 24110015-002 (160-56404-2), 24110015-003 (160-56404-3), 24110015-004 (160-56404-4), 24110015-005 (160-56404-5), 24110015-006 (160-56404-6), 24110015-007 (160-56404-7), 24110015-008 (160-56404-8), 24110015-010 (160-56404-9), 24110015-011 (160-56404-10), 24110015-012 (160-56404-11), 24110015-013 (160-56404-12), 24110015-014 (160-56404-13), 24110015-016 (160-56404-14), 24110015-017 (160-56404-15), 24110015-018 (160-56404-16), 24110015-019 (160-56404-17), 24110015-020 (160-56404-18), 24110015-021 (160-56404-19), 24110015-022 (160-56404-20), 24110015-023 (160-56404-21), 24110015-024 (160-56404-22), 24110015-025 (160-56404-23), 24110015-026 (160-56404-24), 24110015-027 (160-56404-25), 24110015-028 (160-56404-26) and 24110015-029 (160-56404-27) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/25/2024 and analyzed on 12/17/2024 and 12/18/2024.

Method 904.0 - Radium-228 (GFPC)

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-56404-1 (Continued)

Eurofins St. Louis

Samples 24110015-001 (160-56404-1), 24110015-002 (160-56404-2), 24110015-003 (160-56404-3), 24110015-004 (160-56404-4), 24110015-005 (160-56404-5), 24110015-006 (160-56404-6), 24110015-007 (160-56404-7), 24110015-008 (160-56404-8), 24110015-010 (160-56404-9), 24110015-011 (160-56404-10), 24110015-012 (160-56404-11), 24110015-013 (160-56404-12), 24110015-014 (160-56404-13), 24110015-016 (160-56404-14), 24110015-017 (160-56404-15), 24110015-018 (160-56404-16), 24110015-019 (160-56404-17), 24110015-020 (160-56404-18), 24110015-021 (160-56404-19), 24110015-022 (160-56404-20), 24110015-023 (160-56404-21), 24110015-024 (160-56404-22), 24110015-025 (160-56404-23), 24110015-026 (160-56404-24), 24110015-027 (160-56404-25), 24110015-028 (160-56404-26) and 24110015-029 (160-56404-27) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/25/2024 and 12/19/2024 and analyzed on 12/11/2024, 12/16/2024 and 12/26/2024.

Radium-228 prep batch 160-690422

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24110015-002 (160-56404-2), 24110015-004 (160-56404-4) and 24110015-006 (160-56404-6). Analytical results are reported with the detection limit achieved.

The MDC for the following sample is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. 24110015-007 (160-56404-7)

Radium-228 Prep Batch 160-690425

The MDC for the following sample is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. 24110015-020 (160-56404-18)

The detection goal was not met for the following samples due to the reduction of sample size attributed to the presence of matrix interferences (discoloration, turbidity): 24110015-019 (160-56404-17), 24110015-021 (160-56404-19) and 24110015-025 (160-56404-23). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24110015-001 (160-56404-1), 24110015-002 (160-56404-2), 24110015-003 (160-56404-3), 24110015-004 (160-56404-4), 24110015-005 (160-56404-5), 24110015-006 (160-56404-6), 24110015-007 (160-56404-7), 24110015-008 (160-56404-8), 24110015-010 (160-56404-9), 24110015-011 (160-56404-10), 24110015-012 (160-56404-11), 24110015-013 (160-56404-12), 24110015-014 (160-56404-13), 24110015-016 (160-56404-14), 24110015-017 (160-56404-15), 24110015-018 (160-56404-16), 24110015-019 (160-56404-17), 24110015-020 (160-56404-18), 24110015-021 (160-56404-19), 24110015-022 (160-56404-20), 24110015-023 (160-56404-21), 24110015-024 (160-56404-22), 24110015-025 (160-56404-23), 24110015-026 (160-56404-24), 24110015-027 (160-56404-25), 24110015-028 (160-56404-26) and 24110015-029 (160-56404-27) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/26/2024.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

TekLab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

24110015

Contact:

Elizabeth Hurley

Email:

EHurley@TekLabInc.com

Requested Due Date:

Standard TAT

Billing/PO:

37378

Phone:

(618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately if your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately

Ra226/228 Radium 226 Radium 228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24110015-001	11/18/24 1117	HNO3	Groundwater
	24110015-002	11/18/24 1032	HNO3	Groundwater
	24110015-003	11/18/24 1330	HNO3	Groundwater
	24110015-004	11/19/24 1140	HNO3	Groundwater
	24110015-005	11/18/24 1140	HNO3	Groundwater
	24110015-006	11/18/24 1221	HNO3	Groundwater
	24110015-007	11/18/24 1241	HNO3	Groundwater
	24110015-008	11/18/24 1038	HNO3	Groundwater
	24110015-009	Dry	HNO3	Groundwater
	24110015-010	11/18/24 1155	HNO3	Groundwater
	24110015-011	11/19/24 1342	HNO3	Groundwater



160-56404 Chain of Custody

*Relinquished By: *John D. Hurley* Date/Time: 11-22-24 1105
Received By: *John D. Hurley* Date/Time: 11-22-24 1105
Mr. Pinette
Meadow Pinette

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Cooler Temp:		Sampler:	Teklab Sampling Team
--------------	--	----------	----------------------

24110015

Email: EHurley@TekLabInc.com

Billing/PO: 37378

Phone: (618) 344-1004 ext. 33

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

[illegible]

Relinquished By	Date/Time	Received By	Date/Time
Wm. O. O'Quinn	11-22-24 / 1105	<i>[Signature]</i>	11-22-24 / 1105
Wally D.	11-22-24 / 1245	M. Pinette	NOV 22 2024 1250
		Meadow Pinette	

Erika Smith

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Tuesday, December 3, 2024 12:47 PM
To: Erika Smith
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-56404-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

I've reviewed the field file and found a transcription error on the COC. 24110015-028 should be reported as collected at 1324 rather than 1224. Will you please update your database prior to reporting?

Thanks.

Have a great day!

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

From: Erika Smith <TALS@reports.et.eurofinsus.com>
Sent: Friday, November 22, 2024 4:36 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica sample confirmation files from 160-56404-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the sample confirmation files for job 160-56404-1; Radium-226 and Radium-228

The samples were received on 11/22/2024 12:50 PM.

Please review the attachments for accuracy and notify your Project Manager of any discrepancies as quickly as possible.

Any discrepancies not communicated in a timely fashion could result in missed holding times, TAT delays and may potentially incur additional charges.

Please feel free to contact me if you have any questions.

Thank you.

Erika L Smith
Project Manager

Eurofins St. Louis

E-mail: erika.smith@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-314698]
Attachments: 1

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56404-1

SDG Number: 24110015

Login Number: 56404

List Number: 1

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

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

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

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

Protocol References:

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

Laboratory References:

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

Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56404-1
SDG: 24110015

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56404-1	24110015-001	Water	11/18/24 11:17	11/22/24 12:50
160-56404-2	24110015-002	Water	11/18/24 10:32	11/22/24 12:50
160-56404-3	24110015-003	Water	11/18/24 13:30	11/22/24 12:50
160-56404-4	24110015-004	Water	11/19/24 11:40	11/22/24 12:50
160-56404-5	24110015-005	Water	11/18/24 11:40	11/22/24 12:50
160-56404-6	24110015-006	Water	11/18/24 12:21	11/22/24 12:50
160-56404-7	24110015-007	Water	11/18/24 12:41	11/22/24 12:50
160-56404-8	24110015-008	Water	11/18/24 10:38	11/22/24 12:50
160-56404-9	24110015-010	Water	11/18/24 11:55	11/22/24 12:50
160-56404-10	24110015-011	Water	11/19/24 13:42	11/22/24 12:50
160-56404-11	24110015-012	Water	11/18/24 14:03	11/22/24 12:50
160-56404-12	24110015-013	Water	11/19/24 10:57	11/22/24 12:50
160-56404-13	24110015-014	Water	11/18/24 12:38	11/22/24 12:50
160-56404-14	24110015-016	Water	11/19/24 13:12	11/22/24 12:50
160-56404-15	24110015-017	Water	11/19/24 12:30	11/22/24 12:50
160-56404-16	24110015-018	Water	11/18/24 13:49	11/22/24 12:50
160-56404-17	24110015-019	Water	11/19/24 12:04	11/22/24 12:50
160-56404-18	24110015-020	Water	11/18/24 13:24	11/22/24 12:50
160-56404-19	24110015-021	Water	11/20/24 09:31	11/22/24 12:50
160-56404-20	24110015-022	Water	11/20/24 10:23	11/22/24 12:50
160-56404-21	24110015-023	Water	11/20/24 09:53	11/22/24 12:50
160-56404-22	24110015-024	Water	11/19/24 10:08	11/22/24 12:50
160-56404-23	24110015-025	Water	11/19/24 09:44	11/22/24 12:50
160-56404-24	24110015-026	Water	11/20/24 10:31	11/22/24 12:50
160-56404-25	24110015-027	Water	11/18/24 10:38	11/22/24 12:50
160-56404-26	24110015-028	Water	11/18/24 13:24	11/22/24 12:50
160-56404-27	24110015-029	Water	11/20/24 09:53	11/22/24 12:50

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-001

Lab Sample ID: 160-56404-1

Date Collected: 11/18/24 11:17

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0144	U	0.0841	0.0841	1.00	0.160	pCi/L	11/25/24 09:24	12/17/24 08:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					11/25/24 09:24	12/17/24 08:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-1.57	U	0.198	0.245	1.00	0.911	pCi/L	11/25/24 09:29	12/11/24 13:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					11/25/24 09:29	12/11/24 13:01	1
Y Carrier	78.1		30 - 110					11/25/24 09:29	12/11/24 13:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0144	U	0.215	0.259	5.00	0.911	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-002

Lab Sample ID: 160-56404-2

Date Collected: 11/18/24 10:32

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.757		0.273	0.281	1.00	0.284	pCi/L	11/25/24 09:24	12/17/24 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					11/25/24 09:24	12/17/24 08:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.531	U G	0.886	0.887	1.00	1.81	pCi/L	11/25/24 09:29	12/11/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					11/25/24 09:29	12/11/24 14:47	1
Y Carrier	78.5		30 - 110					11/25/24 09:29	12/11/24 14:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.757	U	0.927	0.930	5.00	1.81	pCi/L		12/26/24 09:32	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-003

Lab Sample ID: 160-56404-3

Date Collected: 11/18/24 13:30

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0152	U	0.0747	0.0747	1.00	0.144	pCi/L	11/25/24 09:24	12/17/24 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/25/24 09:24	12/17/24 08:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0105	U	0.389	0.389	1.00	0.741	pCi/L	11/25/24 09:29	12/11/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/25/24 09:29	12/11/24 14:47	1
Y Carrier	80.4		30 - 110					11/25/24 09:29	12/11/24 14:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0257	U	0.396	0.396	5.00	0.741	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-004

Lab Sample ID: 160-56404-4

Date Collected: 11/19/24 11:40

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177	U	0.129	0.130	1.00	0.186	pCi/L	11/25/24 09:24	12/17/24 20:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					11/25/24 09:24	12/17/24 20:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00930	U G	0.655	0.655	1.00	1.22	pCi/L	11/25/24 09:29	12/11/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					11/25/24 09:29	12/11/24 14:47	1
Y Carrier	78.1		30 - 110					11/25/24 09:29	12/11/24 14:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.177	U	0.668	0.668	5.00	1.22	pCi/L		12/26/24 09:32	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-005

Lab Sample ID: 160-56404-5

Date Collected: 11/18/24 11:40

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.107	U	0.0964	0.0969	1.00	0.148	pCi/L	11/25/24 09:24	12/17/24 20:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					11/25/24 09:24	12/17/24 20:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.190	U	0.466	0.467	1.00	0.938	pCi/L	11/25/24 09:29	12/11/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					11/25/24 09:29	12/11/24 14:47	1
Y Carrier	74.4		30 - 110					11/25/24 09:29	12/11/24 14:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.107	U	0.476	0.477	5.00	0.938	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-006

Lab Sample ID: 160-56404-6

Date Collected: 11/18/24 12:21

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.465		0.196	0.201	1.00	0.235	pCi/L	11/25/24 09:24	12/17/24 20:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110					11/25/24 09:24	12/17/24 20:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.199	U G	0.719	0.719	1.00	1.40	pCi/L	11/25/24 09:29	12/11/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110					11/25/24 09:29	12/11/24 14:47	1
Y Carrier	72.9		30 - 110					11/25/24 09:29	12/11/24 14:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.465	U	0.745	0.747	5.00	1.40	pCi/L		12/26/24 09:32	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-007

Lab Sample ID: 160-56404-7

Date Collected: 11/18/24 12:41

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.168		0.105	0.106	1.00	0.144	pCi/L	11/25/24 09:24	12/17/24 20:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					11/25/24 09:24	12/17/24 20:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.154	U G	0.532	0.532	1.00	1.01	pCi/L	11/25/24 09:29	12/11/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					11/25/24 09:29	12/11/24 14:47	1
Y Carrier	79.6		30 - 110					11/25/24 09:29	12/11/24 14:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.168	U	0.542	0.542	5.00	1.01	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-008

Lab Sample ID: 160-56404-8

Date Collected: 11/18/24 10:38

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.157	0.157	1.00	0.265	pCi/L	11/25/24 09:30	12/17/24 20:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					11/25/24 09:30	12/17/24 20:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00447	U	0.324	0.324	1.00	0.600	pCi/L	11/25/24 09:34	12/16/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					11/25/24 09:34	12/16/24 12:05	1
Y Carrier	89.3		30 - 110					11/25/24 09:34	12/16/24 12:05	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.116	U	0.360	0.360	5.00	0.600	pCi/L		12/26/24 09:32	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-010

Lab Sample ID: 160-56404-9

Date Collected: 11/18/24 11:55

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0864	U	0.173	0.173	1.00	0.303	pCi/L	11/25/24 09:30	12/17/24 20:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					11/25/24 09:30	12/17/24 20:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.419	U	0.337	0.340	1.00	0.523	pCi/L	11/25/24 09:34	12/16/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					11/25/24 09:34	12/16/24 12:05	1
Y Carrier	81.9		30 - 110					11/25/24 09:34	12/16/24 12:05	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.506	U	0.379	0.381	5.00	0.523	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-011

Lab Sample ID: 160-56404-10

Date Collected: 11/19/24 13:42

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.184	U	0.148	0.149	1.00	0.211	pCi/L	11/25/24 09:30	12/17/24 20:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110					11/25/24 09:30	12/17/24 20:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0724	U	0.298	0.298	1.00	0.589	pCi/L	11/25/24 09:34	12/16/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110					11/25/24 09:34	12/16/24 12:05	1
Y Carrier	80.4		30 - 110					11/25/24 09:34	12/16/24 12:05	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.184	U	0.333	0.333	5.00	0.589	pCi/L		12/26/24 09:32	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-012

Lab Sample ID: 160-56404-11

Date Collected: 11/18/24 14:03

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.216	U	0.194	0.195	1.00	0.301	pCi/L	11/25/24 09:30	12/17/24 20:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					11/25/24 09:30	12/17/24 20:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.423	U	0.323	0.326	1.00	0.490	pCi/L	11/25/24 09:34	12/16/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					11/25/24 09:34	12/16/24 12:05	1
Y Carrier	85.2		30 - 110					11/25/24 09:34	12/16/24 12:05	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.640		0.377	0.380	5.00	0.490	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-013

Lab Sample ID: 160-56404-12

Date Collected: 11/19/24 10:57

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.101	U	0.133	0.133	1.00	0.221	pCi/L	11/25/24 09:30	12/17/24 20:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		30 - 110					11/25/24 09:30	12/17/24 20:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.498	U	0.423	0.425	1.00	0.666	pCi/L	11/25/24 09:34	12/16/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		30 - 110					11/25/24 09:34	12/16/24 12:05	1
Y Carrier	83.0		30 - 110					11/25/24 09:34	12/16/24 12:05	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.600	U	0.443	0.445	5.00	0.666	pCi/L		12/26/24 09:32	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-014

Lab Sample ID: 160-56404-13

Date Collected: 11/18/24 12:38

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.132	U	0.152	0.152	1.00	0.246	pCi/L	11/25/24 09:30	12/17/24 20:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.7		30 - 110					11/25/24 09:30	12/17/24 20:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0349	U	0.325	0.325	1.00	0.624	pCi/L	11/25/24 09:34	12/16/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.7		30 - 110					11/25/24 09:34	12/16/24 12:06	1
Y Carrier	80.4		30 - 110					11/25/24 09:34	12/16/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.132	U	0.359	0.359	5.00	0.624	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-016

Lab Sample ID: 160-56404-14

Date Collected: 11/19/24 13:12

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0238	U	0.118	0.118	1.00	0.233	pCi/L	11/25/24 09:30	12/17/24 20:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		30 - 110					11/25/24 09:30	12/17/24 20:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.407	U	0.401	0.402	1.00	0.641	pCi/L	11/25/24 09:34	12/16/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		30 - 110					11/25/24 09:34	12/16/24 12:06	1
Y Carrier	76.6		30 - 110					11/25/24 09:34	12/16/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.431	U	0.418	0.419	5.00	0.641	pCi/L		12/26/24 09:32	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-017

Lab Sample ID: 160-56404-15

Date Collected: 11/19/24 12:30

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.300		0.176	0.178	1.00	0.218	pCi/L	11/25/24 09:30	12/17/24 20:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.6		30 - 110					11/25/24 09:30	12/17/24 20:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.350	U	0.537	0.538	1.00	0.909	pCi/L	11/25/24 09:34	12/16/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.6		30 - 110					11/25/24 09:34	12/16/24 12:06	1
Y Carrier	68.8		30 - 110					11/25/24 09:34	12/16/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.650	U	0.565	0.567	5.00	0.909	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-018

Lab Sample ID: 160-56404-16

Date Collected: 11/18/24 13:49

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.240		0.152	0.154	1.00	0.194	pCi/L	11/25/24 09:30	12/17/24 20:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					11/25/24 09:30	12/17/24 20:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.233	U	0.361	0.361	1.00	0.613	pCi/L	11/25/24 09:34	12/16/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					11/25/24 09:34	12/16/24 12:06	1
Y Carrier	74.8		30 - 110					11/25/24 09:34	12/16/24 12:06	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.473	U	0.392	0.392	5.00	0.613	pCi/L		12/26/24 09:32	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-019

Lab Sample ID: 160-56404-17

Date Collected: 11/19/24 12:04

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.191	U	0.208	0.209	1.00	0.329	pCi/L	11/25/24 09:30	12/17/24 20:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.5		30 - 110					11/25/24 09:30	12/17/24 20:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.351	U G	0.675	0.676	1.00	1.18	pCi/L	11/25/24 09:34	12/16/24 15:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.5		30 - 110					11/25/24 09:34	12/16/24 15:08	1
Y Carrier	86.7		30 - 110					11/25/24 09:34	12/16/24 15:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.542	U	0.706	0.708	5.00	1.18	pCi/L		12/26/24 09:32	1

Client Sample ID: 24110015-020

Lab Sample ID: 160-56404-18

Date Collected: 11/18/24 13:24

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0938	U	0.126	0.127	1.00	0.212	pCi/L	11/25/24 09:30	12/18/24 08:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/25/24 09:30	12/18/24 08:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.644	U G	0.665	0.668	1.00	1.08	pCi/L	11/25/24 09:34	12/16/24 15:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/25/24 09:34	12/16/24 15:08	1
Y Carrier	71.8		30 - 110					11/25/24 09:34	12/16/24 15:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.738	U	0.677	0.680	5.00	1.08	pCi/L		12/26/24 18:10	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-021

Lab Sample ID: 160-56404-19

Date Collected: 11/20/24 09:31

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.471	U	0.342	0.345	1.00	0.491	pCi/L	11/25/24 09:30	12/18/24 08:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					11/25/24 09:30	12/18/24 08:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.76	G	0.897	0.912	1.00	1.27	pCi/L	11/25/24 09:34	12/16/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					11/25/24 09:34	12/16/24 12:08	1
Y Carrier	84.9		30 - 110					11/25/24 09:34	12/16/24 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.23		0.960	0.975	5.00	1.27	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-022

Lab Sample ID: 160-56404-20

Date Collected: 11/20/24 10:23

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.223		0.150	0.151	1.00	0.204	pCi/L	11/25/24 09:30	12/18/24 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					11/25/24 09:30	12/18/24 08:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.394	U	0.513	0.514	1.00	0.855	pCi/L	11/25/24 09:34	12/16/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					11/25/24 09:34	12/16/24 15:10	1
Y Carrier	82.6		30 - 110					11/25/24 09:34	12/16/24 15:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.617	U	0.534	0.536	5.00	0.855	pCi/L		12/26/24 18:10	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-023

Lab Sample ID: 160-56404-21

Date Collected: 11/20/24 09:53

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.195	U	0.175	0.176	1.00	0.269	pCi/L	11/25/24 09:30	12/18/24 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.1		30 - 110					11/25/24 09:30	12/18/24 08:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.480		0.321	0.324	1.00	0.471	pCi/L	12/19/24 08:28	12/26/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					12/19/24 08:28	12/26/24 12:15	1
Y Carrier	84.9		30 - 110					12/19/24 08:28	12/26/24 12:15	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.675		0.366	0.369	5.00	0.471	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-024

Lab Sample ID: 160-56404-22

Date Collected: 11/19/24 10:08

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0552	U	0.165	0.165	1.00	0.299	pCi/L	11/25/24 09:30	12/18/24 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					11/25/24 09:30	12/18/24 08:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.469	U	0.341	0.344	1.00	0.520	pCi/L	12/19/24 08:28	12/26/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					12/19/24 08:28	12/26/24 12:15	1
Y Carrier	84.1		30 - 110					12/19/24 08:28	12/26/24 12:15	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.524		0.379	0.382	5.00	0.520	pCi/L		12/26/24 18:10	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-025

Lab Sample ID: 160-56404-23

Date Collected: 11/19/24 09:44

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.461		0.257	0.260	1.00	0.344	pCi/L	11/25/24 09:30	12/18/24 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.4		30 - 110					11/25/24 09:30	12/18/24 08:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.857	U G	1.22	1.22	1.00	2.05	pCi/L	11/25/24 09:34	12/16/24 18:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.4		30 - 110					11/25/24 09:34	12/16/24 18:55	1
Y Carrier	81.5		30 - 110					11/25/24 09:34	12/16/24 18:55	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.32	U	1.25	1.25	5.00	2.05	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-026

Lab Sample ID: 160-56404-24

Date Collected: 11/20/24 10:31

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0586	U	0.150	0.151	1.00	0.273	pCi/L	11/25/24 09:30	12/18/24 08:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.6		30 - 110					11/25/24 09:30	12/18/24 08:54	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.317	U	0.366	0.367	1.00	0.601	pCi/L	12/19/24 08:28	12/26/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		30 - 110					12/19/24 08:28	12/26/24 12:15	1
Y Carrier	84.9		30 - 110					12/19/24 08:28	12/26/24 12:15	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.375	U	0.396	0.397	5.00	0.601	pCi/L		12/26/24 18:10	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-027

Lab Sample ID: 160-56404-25

Date Collected: 11/18/24 10:38

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0203	U	0.127	0.127	1.00	0.264	pCi/L	11/25/24 09:30	12/18/24 08:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					11/25/24 09:30	12/18/24 08:54	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.512	U	0.443	0.446	1.00	0.695	pCi/L	11/25/24 09:34	12/16/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					11/25/24 09:34	12/16/24 12:09	1
Y Carrier	79.3		30 - 110					11/25/24 09:34	12/16/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.512	U	0.461	0.464	5.00	0.695	pCi/L		12/26/24 18:10	1

Client Sample ID: 24110015-028

Lab Sample ID: 160-56404-26

Date Collected: 11/18/24 13:24

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0486	U	0.122	0.122	1.00	0.225	pCi/L	11/25/24 09:30	12/18/24 08:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					11/25/24 09:30	12/18/24 08:54	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.220	U	0.219	0.220	1.00	0.491	pCi/L	11/25/24 09:34	12/16/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					11/25/24 09:34	12/16/24 12:09	1
Y Carrier	95.3		30 - 110					11/25/24 09:34	12/16/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0486	U	0.251	0.252	5.00	0.491	pCi/L		12/26/24 18:10	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Client Sample ID: 24110015-029

Lab Sample ID: 160-56404-27

Date Collected: 11/20/24 09:53

Matrix: Water

Date Received: 11/22/24 12:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.280		0.172	0.174	1.00	0.234	pCi/L	11/25/24 09:30	12/18/24 08:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					11/25/24 09:30	12/18/24 08:54	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.460	U	0.369	0.372	1.00	0.571	pCi/L	11/25/24 09:34	12/16/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					11/25/24 09:34	12/16/24 12:09	1
Y Carrier	86.4		30 - 110					11/25/24 09:34	12/16/24 12:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.740		0.407	0.411	5.00	0.571	pCi/L		12/26/24 18:10	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-690421/1-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690421

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01276	U	0.0736	0.0736	1.00	0.147	pCi/L	11/25/24 09:24	12/17/24 08:54	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		30 - 110					11/25/24 09:24	12/17/24 08:54	1

Lab Sample ID: LCS 160-690421/2-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690421

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.716		1.05	1.00	0.123	pCi/L	101	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.9		30 - 110							

Lab Sample ID: MB 160-690423/1-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690423

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1009	U	0.150	0.151	1.00	0.257	pCi/L	11/25/24 09:30	12/17/24 20:34	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					11/25/24 09:30	12/17/24 20:34	1

Lab Sample ID: LCS 160-690423/2-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690423

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.204		1.03	1.00	0.220	pCi/L	86	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	89.1		30 - 110							

Lab Sample ID: 160-56404-27 DU
Matrix: Water
Analysis Batch: 694358

Client Sample ID: 24110015-029
Prep Type: Total/NA
Prep Batch: 690423

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.280		0.5863		0.218	1.00	0.220	pCi/L	0.78	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

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

Lab Sample ID: 160-56404-27 DU
Matrix: Water
Analysis Batch: 694358

Client Sample ID: 24110015-029
Prep Type: Total/NA
Prep Batch: 690423

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	83.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-690422/1-A
Matrix: Water
Analysis Batch: 693093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690422

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2614	U	0.461	0.461	1.00	0.939	pCi/L	11/25/24 09:29	12/11/24 12:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		30 - 110					11/25/24 09:29	12/11/24 12:55	1
Y Carrier	71.8		30 - 110					11/25/24 09:29	12/11/24 12:55	1

Lab Sample ID: LCS 160-690422/2-A
Matrix: Water
Analysis Batch: 693093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690422

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.27	8.356		1.27	1.00	0.676	pCi/L	101	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	90.9		30 - 110						
Y Carrier	78.1		30 - 110						

Lab Sample ID: MB 160-690425/1-A
Matrix: Water
Analysis Batch: 693993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690425

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3401	U	0.303	0.304	1.00	0.474	pCi/L	11/25/24 09:34	12/16/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					11/25/24 09:34	12/16/24 12:05	1
Y Carrier	85.2		30 - 110					11/25/24 09:34	12/16/24 12:05	1

Lab Sample ID: LCS 160-690425/2-A
Matrix: Water
Analysis Batch: 693993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690425

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.26	7.545		1.14	1.00	0.576	pCi/L	91	75 - 125

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-56404-1
SDG: 24110015

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

Lab Sample ID: LCS 160-690425/2-A
Matrix: Water
Analysis Batch: 693993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690425

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	89.1		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: 160-56404-27 DU
Matrix: Water
Analysis Batch: 693927

Client Sample ID: 24110015-029
Prep Type: Total/NA
Prep Batch: 690425

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.460	U	0.6966		0.383	1.00	0.537	pCi/L	0.31	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	83.8		30 - 110							
Y Carrier	92.0		30 - 110							

Lab Sample ID: MB 160-694543/1-A
Matrix: Water
Analysis Batch: 695352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694543

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5759	U	0.389	0.393	1.00	0.581	pCi/L	12/19/24 08:28	12/26/24 12:15	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					12/19/24 08:28	12/26/24 12:15	1
Y Carrier	81.5		30 - 110					12/19/24 08:28	12/26/24 12:15	1

Lab Sample ID: LCS 160-694543/2-A
Matrix: Water
Analysis Batch: 695352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694543

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.23	8.423		1.16	1.00	0.463	pCi/L	102	75 - 125
	LCS	LCS							
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	95.4		30 - 110						
Y Carrier	87.9		30 - 110						

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-56404-1
SDG: 24110015

Rad

Prep Batch: 690421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-1	24110015-001	Total/NA	Water	PrecSep-21	
160-56404-2	24110015-002	Total/NA	Water	PrecSep-21	
160-56404-3	24110015-003	Total/NA	Water	PrecSep-21	
160-56404-4	24110015-004	Total/NA	Water	PrecSep-21	
160-56404-5	24110015-005	Total/NA	Water	PrecSep-21	
160-56404-6	24110015-006	Total/NA	Water	PrecSep-21	
160-56404-7	24110015-007	Total/NA	Water	PrecSep-21	
MB 160-690421/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-690421/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 690422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-1	24110015-001	Total/NA	Water	PrecSep_0	
160-56404-2	24110015-002	Total/NA	Water	PrecSep_0	
160-56404-3	24110015-003	Total/NA	Water	PrecSep_0	
160-56404-4	24110015-004	Total/NA	Water	PrecSep_0	
160-56404-5	24110015-005	Total/NA	Water	PrecSep_0	
160-56404-6	24110015-006	Total/NA	Water	PrecSep_0	
160-56404-7	24110015-007	Total/NA	Water	PrecSep_0	
MB 160-690422/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-690422/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 690423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-8	24110015-008	Total/NA	Water	PrecSep-21	
160-56404-9	24110015-010	Total/NA	Water	PrecSep-21	
160-56404-10	24110015-011	Total/NA	Water	PrecSep-21	
160-56404-11	24110015-012	Total/NA	Water	PrecSep-21	
160-56404-12	24110015-013	Total/NA	Water	PrecSep-21	
160-56404-13	24110015-014	Total/NA	Water	PrecSep-21	
160-56404-14	24110015-016	Total/NA	Water	PrecSep-21	
160-56404-15	24110015-017	Total/NA	Water	PrecSep-21	
160-56404-16	24110015-018	Total/NA	Water	PrecSep-21	
160-56404-17	24110015-019	Total/NA	Water	PrecSep-21	
160-56404-18	24110015-020	Total/NA	Water	PrecSep-21	
160-56404-19	24110015-021	Total/NA	Water	PrecSep-21	
160-56404-20	24110015-022	Total/NA	Water	PrecSep-21	
160-56404-21	24110015-023	Total/NA	Water	PrecSep-21	
160-56404-22	24110015-024	Total/NA	Water	PrecSep-21	
160-56404-23	24110015-025	Total/NA	Water	PrecSep-21	
160-56404-24	24110015-026	Total/NA	Water	PrecSep-21	
160-56404-25	24110015-027	Total/NA	Water	PrecSep-21	
160-56404-26	24110015-028	Total/NA	Water	PrecSep-21	
160-56404-27	24110015-029	Total/NA	Water	PrecSep-21	
MB 160-690423/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-690423/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56404-27 DU	24110015-029	Total/NA	Water	PrecSep-21	

Prep Batch: 690425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-8	24110015-008	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-56404-1
SDG: 24110015

Rad (Continued)

Prep Batch: 690425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-9	24110015-010	Total/NA	Water	PrecSep_0	
160-56404-10	24110015-011	Total/NA	Water	PrecSep_0	
160-56404-11	24110015-012	Total/NA	Water	PrecSep_0	
160-56404-12	24110015-013	Total/NA	Water	PrecSep_0	
160-56404-13	24110015-014	Total/NA	Water	PrecSep_0	
160-56404-14	24110015-016	Total/NA	Water	PrecSep_0	
160-56404-15	24110015-017	Total/NA	Water	PrecSep_0	
160-56404-16	24110015-018	Total/NA	Water	PrecSep_0	
160-56404-17	24110015-019	Total/NA	Water	PrecSep_0	
160-56404-18	24110015-020	Total/NA	Water	PrecSep_0	
160-56404-19	24110015-021	Total/NA	Water	PrecSep_0	
160-56404-20	24110015-022	Total/NA	Water	PrecSep_0	
160-56404-23	24110015-025	Total/NA	Water	PrecSep_0	
160-56404-25	24110015-027	Total/NA	Water	PrecSep_0	
160-56404-26	24110015-028	Total/NA	Water	PrecSep_0	
160-56404-27	24110015-029	Total/NA	Water	PrecSep_0	
MB 160-690425/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-690425/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56404-27 DU	24110015-029	Total/NA	Water	PrecSep_0	

Prep Batch: 694543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56404-21	24110015-023	Total/NA	Water	PrecSep_0	
160-56404-22	24110015-024	Total/NA	Water	PrecSep_0	
160-56404-24	24110015-026	Total/NA	Water	PrecSep_0	
MB 160-694543/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-694543/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-56404-1
SDG: 24110015

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)					
160-56404-1	24110015-001	87.1					
160-56404-2	24110015-002	81.7					
160-56404-3	24110015-003	86.0					
160-56404-4	24110015-004	86.8					
160-56404-5	24110015-005	80.7					
160-56404-6	24110015-006	79.2					
160-56404-7	24110015-007	88.3					
160-56404-8	24110015-008	85.8					
160-56404-9	24110015-010	93.7					
160-56404-10	24110015-011	82.0					
160-56404-11	24110015-012	87.1					
160-56404-12	24110015-013	84.0					
160-56404-13	24110015-014	79.7					
160-56404-14	24110015-016	80.5					
160-56404-15	24110015-017	76.6					
160-56404-16	24110015-018	88.3					
160-56404-17	24110015-019	66.5					
160-56404-18	24110015-020	84.3					
160-56404-19	24110015-021	80.2					
160-56404-20	24110015-022	86.3					
160-56404-21	24110015-023	73.1					
160-56404-22	24110015-024	82.2					
160-56404-23	24110015-025	74.4					
160-56404-24	24110015-026	74.6					
160-56404-25	24110015-027	73.4					
160-56404-26	24110015-028	82.7					
160-56404-27	24110015-029	81.7					
160-56404-27 DU	24110015-029	83.8					
LCS 160-690421/2-A	Lab Control Sample	90.9					
LCS 160-690423/2-A	Lab Control Sample	89.1					
MB 160-690421/1-A	Method Blank	71.1					
MB 160-690423/1-A	Method Blank	93.1					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)				
160-56404-1	24110015-001	87.1	78.1				
160-56404-2	24110015-002	81.7	78.5				
160-56404-3	24110015-003	86.0	80.4				
160-56404-4	24110015-004	86.8	78.1				
160-56404-5	24110015-005	80.7	74.4				
160-56404-6	24110015-006	79.2	72.9				
160-56404-7	24110015-007	88.3	79.6				
160-56404-8	24110015-008	85.8	89.3				

Eurofins St. Louis

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56404-1
SDG: 24110015

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-56404-9	24110015-010	93.7	81.9
160-56404-10	24110015-011	82.0	80.4
160-56404-11	24110015-012	87.1	85.2
160-56404-12	24110015-013	84.0	83.0
160-56404-13	24110015-014	79.7	80.4
160-56404-14	24110015-016	80.5	76.6
160-56404-15	24110015-017	76.6	68.8
160-56404-16	24110015-018	88.3	74.8
160-56404-17	24110015-019	66.5	86.7
160-56404-18	24110015-020	84.3	71.8
160-56404-19	24110015-021	80.2	84.9
160-56404-20	24110015-022	86.3	82.6
160-56404-21	24110015-023	89.7	84.9
160-56404-22	24110015-024	95.9	84.1
160-56404-23	24110015-025	74.4	81.5
160-56404-24	24110015-026	87.9	84.9
160-56404-25	24110015-027	73.4	79.3
160-56404-26	24110015-028	82.7	95.3
160-56404-27	24110015-029	81.7	86.4
160-56404-27 DU	24110015-029	83.8	92.0
LCS 160-690422/2-A	Lab Control Sample	90.9	78.1
LCS 160-690425/2-A	Lab Control Sample	89.1	80.0
LCS 160-694543/2-A	Lab Control Sample	95.4	87.9
MB 160-690422/1-A	Method Blank	71.1	71.8
MB 160-690425/1-A	Method Blank	93.1	85.2
MB 160-694543/1-A	Method Blank	84.1	81.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-1
Sample ID: 001
Date (s): 11/18/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:37 Static Water Level: 16.04 feet below TOC
Total Depth: 27.10 feet below TOC
Water Column: 11.06 feet

Purging Activities

Purged By: JC Purge Date: 11/18/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.06 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:43	0.0	206	purge start time						
10:50	1.4	↓	6.42	457.90	17.07	4.97	58.30	13.42	
10:53	2.1		6.39	458.60	17.11	4.08	67.40	19.19	
10:56	2.7		6.39	455.50	17.12	3.53	73.20	56.07	
10:59	3.3		6.38	452.20	17.15	3.16	77.70	110.33	
11:02	3.9		6.37	451.10	17.14	2.89	81.90	194.50	
11:05	4.5		6.37	450.70	17.15	2.69	84.70	314.09	
11:08	5.1		6.37	450.40	17.13	2.52	86.80	434.80	
11:11	5.8		6.37	450.30	17.16	2.38	89.20	442.37	
11:14	6.4		6.36	450.90	17.17	2.26	91.60	434.26	
11:17	7.0		6.36	450.60	17.17	2.16	93.20	301.66	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/18/2024 11:17
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.36 pH 450.60 Spec. Cond. 17.17 Temp
Field Filtered: No Filter Type:
Water Level: 16.04 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-2
Sample ID: 002
Date (s): 11/18/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:00 Static Water Level: 5.63 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 16.57 feet

Purging Activities

Purged By: JC Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.57 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:01	0.0	226	purge start time						
10:08	1.6	↓	7.02	660.50	15.27	5.36	-53.30	129.17	
10:11	2.3		7.03	658.80	15.27	4.36	-59.90	115.16	
10:14	2.9		7.02	656.50	15.29	3.73	-64.30	96.00	
10:17	3.6		7.03	654.50	15.32	3.29	-67.60	82.90	
10:20	4.3		7.04	652.60	15.31	2.98	-70.00	75.18	
10:23	5.0		7.04	650.80	15.30	2.74	-71.60	71.27	
10:26	5.6		7.04	649.20	15.29	2.57	-72.40	79.57	
10:29	6.3		7.04	647.60	15.27	2.45	-72.70	71.13	
10:32	7.0		7.04	646.70	15.26	2.36	-72.50	65.78	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/18/2024 10:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH 646.70 Spec. Cond. 15.26 Temp
Field Filtered: No Filter Type:
Water Level: 5.63 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp
TekLab, Inc.
5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 344-1004 | www.teklabinc.com

Date: 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-3
Sample ID: 003
Date (s): 11/18/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 12:55 Static Water Level: 8.14 feet below TOC
Total Depth: 26.20 feet below TOC
Water Column: 18.06 feet

Purging Activities

Purged By: JC Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $18.06 \text{ ft.} \times 0.022 = 0.4 \text{ L} \times 3 \text{ Vol.} = 1.2 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:56	0.0	235	purge start time						
13:06	2.4	↓	6.67	779.40	15.59	3.57	-1.10	2.71	
13:09	3.1		6.67	779.60	15.58	3.01	2.90	2.79	
13:12	3.8		6.67	780.20	15.57	2.63	5.60	2.23	
13:15	4.5		6.66	782.00	15.57	2.36	8.10	1.56	
13:18	5.2		6.66	783.40	15.58	2.16	10.00	1.50	
13:21	5.9		6.66	784.10	15.55	2.00	11.60	1.47	
13:24	6.6		6.66	784.50	15.57	1.88	13.20	1.34	
13:27	7.3		6.66	785.20	15.62	1.78	14.40	1.39	
13:30	8.0		6.66	786.00	15.70	1.70	15.50	1.32	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/18/2024 13:30
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.66 pH 786.00 Spec. Cond. 15.70 Temp
Field Filtered: No Filter Type:
Water Level: 8.14 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-5
Sample ID: 004
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 11:09 Static Water Level: 26.81 feet below TOC
Total Depth: 41.70 feet below TOC
Water Column: 14.89 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $14.89 \text{ ft.} \times 0.022 = 0.33 \text{ L} \times 3 \text{ Vol.} = 0.99 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:10	0.0	167	purge start time						
11:16	1.0	↓	6.54	1,121.10	15.97	5.27	22.60	4.91	
11:19	1.5		6.53	1,120.50	16.17	4.13	23.40	4.76	
11:22	2.0		6.53	1,118.40	16.19	3.43	25.20	4.94	
11:25	2.5		6.52	1,121.80	16.24	2.97	26.40	4.96	
11:28	3.0		6.52	1,125.30	16.27	2.63	26.40	4.88	
11:31	3.5		6.52	1,128.20	16.31	2.39	25.80	4.69	
11:34	4.0		6.52	1,130.30	16.37	2.19	25.00	4.35	
11:37	4.5		6.52	1,133.20	16.40	2.05	24.30	4.13	
11:40	5.0		6.52	1,135.30	16.43	1.93	23.50	3.72	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 11:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.52 pH 1,135.30 Spec. Cond. 16.43 Temp
Field Filtered: No Filter Type:
Water Level: 28.73 feet below TOC Drawdown: 1.92 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/19/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-6
Sample ID: 005
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 11:16 Static Water Level: 10.18 feet below TOC
Total Depth: 22.00 feet below TOC
Water Column: 11.82 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.82 \text{ ft.} \times 0.022 = 0.26 \text{ L} \times 3 \text{ Vol.} = 0.78 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:16	0.0	208	purge start time						
11:28	2.5	↓	6.33	735.50	16.20	4.60	84.90	7.14	
11:31	3.1		6.31	734.10	16.23	4.56	90.00	6.76	
11:34	3.8		6.30	732.60	16.21	4.52	94.20	6.36	
11:37	4.4		6.29	732.80	16.17	4.48	97.90	6.81	
11:40	5.0		6.28	733.20	16.17	4.44	101.60	6.61	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 11:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.28 pH 733.20 Spec. Cond. 16.17 Temp
Field Filtered: No Filter Type:
Water Level: 11.32 feet below TOC Drawdown: 1.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-7
Sample ID: 006
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 11:53 Static Water Level: 2.39 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 19.41 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $19.41 \text{ ft.} \times 0.022 = 0.43 \text{ L} \times 3 \text{ Vol.} = 1.29 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:53	0.0	250	purge start time						
12:09	4.0	↓	6.64	1,361.30	15.67	1.05	-66.80	40.31	
12:12	4.8		6.64	1,336.10	15.66	0.94	-68.50	29.16	
12:15	5.5		6.64	1,327.70	15.65	0.81	-69.70	20.75	
12:18	6.2		6.64	1,320.40	15.67	0.77	-70.90	15.03	
12:21	7.0		6.64	1,313.10	15.68	0.68	-71.90	9.21	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.64 pH 1,313.10 Spec. Cond. 15.68 Temp
Field Filtered: No Filter Type:
Water Level: 2.76 feet below TOC Drawdown: 0.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:




Date: 11/18/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-7S
Sample ID: 007
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 12:25 Static Water Level: 10.39 feet below TOC
Total Depth: 13.49 feet below TOC
Water Column: 3.10 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $3.1 \text{ ft.} \times 0.022 = 0.07 \text{ L} \times 3 \text{ Vol.} = 0.21 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:25	0.0	125	purge start time						
12:29	0.5	↓	6.58	1,497.60	16.33	1.24	-75.80	9.49	
12:32	0.9		6.58	1,498.80	16.51	1.97	-73.10	13.96	
12:35	1.3		6.54	1,497.60	16.65	2.18	-67.30	10.22	
12:38	1.7		6.51	1,497.50	16.79	2.31	-62.40	8.93	
12:41	2.0		6.50	1,498.10	16.93	2.36	-59.00	9.13	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 12:41
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.50 pH 1,498.10 Spec. Cond. 16.93 Temp
Field Filtered: No Filter Type:
Water Level: 10.64 feet below TOC Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-8
Sample ID: 008
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:25 Static Water Level: 12.76 feet below TOC
Total Depth: 24.00 feet below TOC
Water Column: 11.24 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.24 \text{ ft.} \times 0.022 = 0.25 \text{ L} \times 3 \text{ Vol.} = 0.75 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:25	0.0	308	purge start time						
10:29	1.2	↓	6.51	1,113.70	15.80	1.87	-2.20	9.89	
10:32	2.2		6.47	1,111.10	15.85	1.24	6.50	8.78	
10:35	3.1		6.45	1,107.20	15.83	1.05	13.50	7.08	
10:38	4.0		6.44	1,107.70	15.84	1.01	19.50	5.11	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 10:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 1,107.70 Spec. Cond. 15.84 Temp
Field Filtered: No Filter Type:
Water Level: 12.98 feet below TOC Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-8S
Sample ID: 009
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:10

Static Water Level: 9.76 feet below TOC
Total Depth: 10.02 feet below TOC
Water Column: 0.26 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $0.26 \text{ ft.} \times 0.022 = 0.01 \text{ L} \times 3 \text{ Vol.} = 0.03 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:10	0.0	167	purge start time						
10:16	1.0	↓							

Sampling Activities

Sampled By: BG Sample Date/Time:
Sample Method: Peristaltic Pump
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: - feet below TOC Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760
- Dry; no sample. Rechecked on 11/19- dry

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-11
Sample ID: 010
Date (s): 11/18/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 11:27 Static Water Level: 9.78 feet below TOC
Total Depth: 23.50 feet below TOC
Water Column: 13.72 feet

Purging Activities

Purged By: JC Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.72 \text{ ft.} \times 0.022 = 0.3 \text{ L} \times 3 \text{ Vol.} = 0.9 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:27	0.0	214	purge start time						
11:37	2.2	↓	6.67	799.20	17.56	3.57	79.70	4.25	
11:40	2.8		6.67	801.60	17.59	3.11	77.30	4.02	
11:43	3.5		6.67	804.30	17.60	2.82	74.10	4.10	
11:46	4.1		6.67	805.70	17.61	2.62	69.80	3.88	
11:49	4.8		6.67	805.10	17.60	2.49	64.80	3.87	
11:52	5.4		6.68	803.60	17.58	2.39	59.80	3.80	
11:55	6.0		6.68	804.10	17.56	2.32	54.60	3.66	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/18/2024 11:55
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.68 pH 804.10 Spec. Cond. 17.56 Temp
Field Filtered: No Filter Type:
Water Level: 9.78 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-12
Sample ID: 011
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 13:15 Static Water Level: 7.14 feet below TOC
Total Depth: 27.60 feet below TOC
Water Column: 20.46 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 20.46 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:16	0.0	231	purge start time						
13:21	1.2	↓	6.69	1,266.20	16.28	3.84	-59.20	4.65	
13:24	1.8		6.69	1,254.30	16.34	2.92	-62.50	5.06	
13:27	2.5		6.67	1,260.80	16.32	2.42	-62.60	14.18	
13:30	3.2		6.66	1,262.90	16.35	2.12	-62.80	18.90	
13:33	3.9		6.65	1,267.10	16.35	1.91	-62.10	27.00	
13:36	4.6		6.65	1,271.10	16.33	1.75	-61.30	41.87	
13:39	5.3		6.64	1,275.20	16.34	1.64	-59.90	33.48	
13:42	6.0		6.64	1,280.70	16.78	1.55	-59.70	40.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 13:42
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.64 pH 1,280.70 Spec. Cond. 16.78 Temp
Field Filtered: No Filter Type:
Water Level: 7.28 feet below TOC Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/19/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-20
Sample ID: 012
Date (s): 11/18/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:34 Static Water Level: 5.84 feet below TOC
Total Depth: 26.25 feet below TOC
Water Column: 20.41 feet

Purging Activities

Purged By: JC Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 20.41 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:36	0.0	185	purge start time						
13:42	1.1	↓	6.76	911.80	15.99	4.40	12.80	60.96	
13:45	1.7		6.75	911.40	16.03	3.26	15.30	59.30	
13:48	2.2		6.75	910.90	16.07	2.65	19.10	43.90	
13:51	2.8		6.74	910.70	16.13	2.28	22.80	69.44	
13:54	3.3		6.74	910.50	16.17	2.04	25.20	38.02	
13:57	3.9		6.74	910.30	16.18	1.87	26.30	64.03	
14:00	4.4		6.75	910.30	16.20	1.75	25.10	130.38	
14:03	5.0		6.76	909.90	16.19	1.68	22.10	164.00	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/18/2024 14:03
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH 909.90 Spec. Cond. 16.19 Temp
Field Filtered: No Filter Type:
Water Level: 5.84 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-20S
Sample ID: 013
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 10:21 Static Water Level: 4.88 feet below TOC
Total Depth: 12.21 feet below TOC
Water Column: 7.33 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $7.33 \text{ ft.} \times 0.022 = 0.16 \text{ L} \times 3 \text{ Vol.} = 0.48 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.0	229	purge start time						
10:27	1.1	↓	6.70	1,145.30	16.71	5.86	55.60	6.64	
10:30	1.8		6.66	1,122.90	16.80	5.02	45.20	5.18	
10:33	2.5		6.64	1,105.60	16.85	4.37	35.10	5.60	
10:36	3.2		6.63	1,096.70	16.90	3.93	34.00	4.35	
10:39	3.9		6.62	1,089.10	16.91	3.57	33.70	4.04	
10:42	4.6		6.60	1,074.60	16.97	3.27	36.40	3.18	
10:45	5.3		6.60	1,076.20	17.01	3.05	36.60	2.32	
10:48	5.9		6.60	1,074.00	17.02	2.87	38.20	2.59	
10:51	6.6		6.59	1,067.60	17.05	2.69	40.80	2.94	
10:54	7.3		6.59	1,064.20	17.09	2.56	44.00	3.21	
10:57	8.0		6.58	1,058.80	17.10	2.41	42.90	3.88	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 10:57
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.58 pH 1,058.80 Spec. Cond. 17.10 Temp
Field Filtered: No Filter Type:
Water Level: 6.74 feet below TOC Drawdown: 1.86 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/19/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-23
Sample ID: 014
Date (s): 11/18/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 12:05 Static Water Level: 16.19 feet below TOC
Total Depth: 30.27 feet below TOC
Water Column: 14.08 feet

Purging Activities

Purged By: JC Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.08 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:08	0.0	200	purge start time						
12:17	1.8	↓	6.71	854.30	15.76	4.29	-128.00	3.83	
12:20	2.4		6.71	854.60	15.77	3.41	-135.10	3.34	
12:23	3.0		6.71	854.10	15.77	2.88	-136.30	3.23	
12:26	3.6		6.71	853.50	15.77	2.53	-136.10	3.31	
12:29	4.2		6.70	852.60	15.77	2.27	-134.90	2.96	
12:32	4.8		6.70	851.90	15.78	2.09	-133.50	2.74	
12:35	5.4		6.70	851.50	15.78	1.95	-131.90	2.58	
12:38	6.0		6.70	851.20	15.79	1.84	-130.40	2.25	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/18/2024 12:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.70 pH 851.20 Spec. Cond. 15.79 Temp
Field Filtered: No Filter Type:
Water Level: 16.19 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-27
Sample ID: 015
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:55 Static Water Level: 17.01 feet below TOC
Total Depth: 17.70 feet below TOC
Water Column: 0.69 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $0.69 \text{ ft.} \times 0.022 = 0.02 \text{ L} \times 3 \text{ Vol.} = 0.06 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	167	purge start time						
11:01	1.0	↓							

Sampling Activities

Sampled By: BG Sample Date/Time:
Sample Method: Peristaltic Pump
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: - feet below TOC Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760
- Dry; no sample. Rechecked on 11/19- dry

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-28
Sample ID: 016
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 12:44 Static Water Level: 5.84 feet below TOC
Total Depth: 25.07 feet below TOC
Water Column: 19.23 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.23 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:44	0.0	214	purge start time						
12:51	1.5	↓	6.54	1,237.80	16.32	3.57	56.30	4.08	
12:54	2.1		6.54	1,279.60	16.27	2.97	62.40	4.90	
12:57	2.8		6.54	1,323.40	16.29	2.58	66.70	9.44	
13:00	3.4		6.54	1,384.70	16.29	2.31	69.90	9.90	
13:03	4.1		6.54	1,437.50	16.31	2.12	71.90	9.64	
13:06	4.7		6.55	1,494.50	16.30	1.97	73.20	16.70	
13:09	5.4		6.55	1,550.70	16.34	1.85	74.40	17.91	
13:12	6.0		6.56	1,594.40	16.33	1.75	75.50	5.94	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 13:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.56 pH 1,594.40 Spec. Cond. 16.33 Temp
Field Filtered: No Filter Type:
Water Level: 6.61 feet below TOC Drawdown: 0.77 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/19/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-30
Sample ID: 017
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 12:07 Static Water Level: 24.74 feet below TOC
Total Depth: 42.47 feet below TOC
Water Column: 17.73 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.73 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:07	0.0	174	purge start time						
12:15	1.4	↓	6.56	919.10	15.63	2.87	-69.40	6.19	
12:18	1.9		6.57	916.20	15.61	2.41	-79.00	4.04	
12:21	2.4		6.58	913.50	15.56	2.14	-85.70	3.92	
12:24	3.0		6.58	911.40	15.54	1.95	-89.90	3.98	
12:27	3.5		6.59	910.40	15.51	1.81	-92.30	4.12	
12:30	4.0		6.58	909.90	15.54	1.71	-93.80	3.89	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 12:30
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.58 pH 909.90 Spec. Cond. 15.54 Temp
Field Filtered: No Filter Type:
Water Level: 28.90 feet below TOC Drawdown: 4.16 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/19/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-31
Sample ID: 018
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:38 Static Water Level: 30.69 feet below TOC
Total Depth: 42.32 feet below TOC
Water Column: 11.63 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.63 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:38	0.0	364	purge start time						
13:40	0.7	↓	6.67	981.70	15.19	1.55	-49.00	4.73	
13:43	1.8		6.59	981.30	15.45	1.11	-55.90	4.04	
13:46	2.9		6.56	981.20	14.85	0.77	-56.70	3.61	
13:49	4.0		6.56	979.00	14.74	0.63	-63.00	3.69	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 13:49
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.56 pH 979.00 Spec. Cond. 14.74 Temp
Field Filtered: No Filter Type:
Water Level: 31.32 feet below TOC Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-31S
Sample ID: 019
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 11:44 Static Water Level: 19.69 feet below TOC
Total Depth: 32.41 feet below TOC
Water Column: 12.72 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $12.72 \text{ ft.} \times 0.022 = 0.28 \text{ L} \times 3 \text{ Vol.} = 0.84 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:44	0.0	200	purge start time						
11:49	1.0	↓	6.54	1,140.00	16.20	3.37	-103.00	41.40	
11:52	1.6		6.52	1,133.20	16.32	2.72	-101.60	71.75	
11:55	2.2		6.52	1,129.80	16.58	2.42	-100.90	58.10	
11:58	2.8		6.52	1,131.00	16.65	2.25	-100.60	43.17	
12:01	3.4		6.52	1,130.90	16.67	2.12	-100.20	49.01	
12:04	4.0		6.52	1,128.00	16.72	2.03	-99.90	39.81	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 12:04
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.52 pH 1,128.00 Spec. Cond. 16.72 Temp
Field Filtered: No Filter Type:
Water Level: 24.70 feet below TOC Drawdown: 5.01 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 11/19/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-32
Sample ID: 020
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:10 Static Water Level: 23.97 feet below TOC
Total Depth: 39.29 feet below TOC
Water Column: 15.32 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.32 \text{ ft.} \times 0.022 = 0.34 \text{ L} \times 3 \text{ Vol.} = 1.02 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	321	purge start time						
13:12	0.6	↓	6.51	1,322.90	16.00	2.62	20.70	3.48	
13:15	1.6		6.41	1,294.50	15.86	1.21	28.80	3.96	
13:18	2.6		6.38	1,290.40	15.76	0.91	35.10	3.75	
13:21	3.5		6.37	1,289.50	15.74	0.76	40.20	3.64	
13:24	4.5		6.37	1,290.90	15.71	0.71	44.30	3.54	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 13:24
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.37 pH 1,290.90 Spec. Cond. 15.71 Temp
Field Filtered: No Filter Type:
Water Level: 24.24 feet below TOC Drawdown: 0.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-33S
Sample ID: 021
Date (s): 11/20/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 45 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/20/2024 9:06 Static Water Level: 6.35 feet below TOC
Total Depth: 17.84 feet below TOC
Water Column: 11.49 feet

Purging Activities

Purged By: JC Purge Date: 11/20/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.49 \text{ ft.} \times 0.022 = 0.25 \text{ L} \times 3 \text{ Vol.} = 0.75 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:07	0.0	167	purge start time						
9:14	1.2	↓	6.69	970.80	15.18	6.15	-33.40	19.19	
9:22	2.6		6.74	975.80	15.26	5.35	5.70	102.53	
9:25	3.1		6.74	975.40	15.29	5.19	12.60	77.55	
9:28	3.6		6.74	976.80	15.29	5.05	16.60	15.55	
9:31	4.1		6.74	977.30	15.34	4.92	17.70	65.73	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/20/2024 9:31
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.74 pH 977.30 Spec. Cond. 15.34 Temp
Field Filtered: No Filter Type:
Water Level: 7.98 feet below TOC Drawdown: 1.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:


Justin Colp

Date: 11/20/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-34S
Sample ID: 022
Date (s): 11/20/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 48 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 11/20/2024 9:58 Static Water Level: 6.38 feet below TOC
Total Depth: 18.76 feet below TOC
Water Column: 12.38 feet

Purging Activities

Purged By: JC Purge Date: 11/20/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.38 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	260	purge start time						
10:03	1.3	↓	6.82	1,087.20	15.82	5.63	67.50	37.18	
10:06	2.1		6.84	1,092.50	15.81	5.49	68.70	56.81	
10:09	2.9		6.88	1,102.40	15.88	5.61	70.00	80.96	
10:14	4.2		6.91	1,111.00	15.86	6.07	74.60	124.50	
10:17	4.9		6.92	1,112.60	15.60	6.31	76.60	121.28	
10:20	5.7		6.92	1,110.50	15.54	6.45	77.80	119.07	
10:23	6.5		6.90	1,108.80	15.53	6.48	78.20	122.24	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/20/2024 10:23
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.90 pH 1,108.80 Spec. Cond. 15.53 Temp
Field Filtered: No Filter Type: _____
Water Level: 8.30 feet below TOC Drawdown: 1.92 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/20/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-355
Sample ID: 023
Date (s): 11/20/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 47 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/20/2024 9:41 Static Water Level: 6.76 feet below TOC
Total Depth: 18.44 feet below TOC
Water Column: 11.68 feet

Purging Activities

Purged By: JC Purge Date: 11/20/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.68 \text{ ft.} \times 0.022 = 0.26 \text{ L} \times 3 \text{ Vol.} = 0.78 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:41	0.0	333	purge start time						
9:44	1.0	↓	6.67	1,004.40	15.54	5.46	51.40	14.84	
9:47	2.0		6.77	1,002.50	15.65	4.85	54.90	17.95	
9:50	3.0		6.79	1,003.00	15.73	4.70	59.10	18.95	
9:53	4.0		6.80	1,002.60	15.78	4.64	62.30	18.80	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/20/2024 9:53
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH 1,002.60 Spec. Cond. 15.78 Temp
Field Filtered: No Filter Type:
Water Level: 8.32 feet below TOC Drawdown: 1.56 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

[Signature]

Date: 11/20/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: PZ-4A
Sample ID: 024
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 9:49

Static Water Level: 6.90 feet below TOC
Total Depth: 12.94 feet below TOC
Water Column: 6.04 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $6.04 \text{ ft.} \times 0.022 = 0.13 \text{ L} \times 3 \text{ Vol.} = 0.39 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:53	0.0	267	purge start time						
10:02	2.4	↓	6.62	953.10	16.55	5.51	12.90	5.09	
10:05	3.2		6.62	951.40	16.59	5.60	30.80	4.69	
10:08	4.0		6.64	948.60	16.66	5.52	39.70	3.73	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 10:08
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.64 pH 948.60 Spec. Cond. 16.66 Temp
Field Filtered: No Filter Type:
Water Level: 8.81 feet below TOC Drawdown: 1.91 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 11/19/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: PZ-4C
Sample ID: 025
Date (s): 11/19/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 11/19/2024 9:12 Static Water Level: 6.00 feet below TOC
Total Depth: 23.18 feet below TOC
Water Column: 17.18 feet

Purging Activities

Purged By: JC Purge Date: 11/19/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.18 ft. x 0.022 = 0.38 L x 3 Vol. = 1.14 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:15	0.0	276	purge start time						
9:20	1.4	↓	6.80	796.60	15.88	6.09	-90.10	27.37	
9:23	2.2		6.80	796.40	15.95	4.79	-94.80	20.12	
9:26	3.0		6.81	797.20	16.05	4.09	-96.10	60.13	
9:29	3.9		6.81	796.90	16.04	3.62	-97.10	86.22	
9:32	4.7		6.81	796.50	16.02	3.27	-97.60	55.87	
9:35	5.5		6.82	795.90	15.99	3.02	-98.00	52.80	
9:38	6.3		6.82	796.20	16.01	2.81	-98.20	31.84	
9:41	7.2		6.82	796.00	15.99	2.65	-98.30	25.45	
9:44	8.0		6.82	796.30	15.98	2.51	-98.30	22.87	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/19/2024 9:44
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.82 pH 796.30 Spec. Cond. 15.98 Temp
Field Filtered: No Filter Type:
Water Level: 9.71 feet below TOC Drawdown: 3.71 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp
TekLab, Inc.
5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 344-1004 | www.teklabinc.com

Date: 11/19/2024

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: SG-02
Sample ID: 026
Date (s): -

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 63 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Locks	Yes	No
Casing	Protective Casing	X	
Protective Casing	Well		X
Reference Mark/Identification			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 9:55 Static Water Level: 19.20 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: TC Purge Date: -
Purge Method: Well Diameter:
Purge Volume Calculation (L): -
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- DTW only; no sample

Form Completed By: Tracy Carroll Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: XSG-01
Sample ID: 027
Date (s): -

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 63 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Locks	Yes	No
Casing	Protective Casing		X
Protective Casing	Well		X
Reference Mark/Identification			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:14 Static Water Level: 4.75 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: TC Purge Date: -
Purge Method: Well Diameter:
Purge Volume Calculation (L): -
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- DTW only; no sample

Form Completed By: Tracy Carroll Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: Field Blank
Sample ID: 028
Date (s): -

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 47 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Locks	Yes	No
Casing	Protective Casing		X
Protective Casing	Well		X
Reference Mark/Identification			

Groundwater Level Measurements

Date/Time Measured: 12/2/2024 7:49 Static Water Level: - feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: JC Purge Date: -
Purge Method: Direct Grab Well Diameter: -
Purge Volume Calculation (L): #VALUE!
Actual Purge Volume (L): -
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: JC Sample Date/Time: 11/20/2024 10:31
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771
- QA/QC sample

Form Completed By:

Justin Colp

Date: 11/20/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-8 Duplicate
Sample ID: 029
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 10:25 Static Water Level: 12.76 feet below TOC
Total Depth: 24.00 feet below TOC
Water Column: 11.24 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.24 \text{ ft.} \times 0.022 = 0.25 \text{ L} \times 3 \text{ Vol.} = 0.75 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:25	0.0	308	purge start time						
10:29	1.2	↓	6.51	1,113.70	15.80	1.87	-2.20	9.89	
10:32	2.2		6.47	1,111.10	15.85	1.24	6.50	8.78	
10:35	3.1		6.45	1,107.20	15.83	1.05	13.50	7.08	
10:38	4.0		6.44	1,107.70	15.84	1.01	19.50	5.11	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 10:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 1,107.70 Spec. Cond. 15.84 Temp
Field Filtered: No Filter Type:
Water Level: 12.98 feet below TOC Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-32 Duplicate
Sample ID: 030
Date (s): 11/18/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/18/2024 13:10 Static Water Level: 23.97 feet below TOC
Total Depth: 39.29 feet below TOC
Water Column: 15.32 feet

Purging Activities

Purged By: BG Purge Date: 11/18/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.32 \text{ ft.} \times 0.022 = 0.34 \text{ L} \times 3 \text{ Vol.} = 1.02 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	321	purge start time						
13:12	0.6	↓	6.51	1,322.90	16.00	2.62	20.70	3.48	
13:15	1.6		6.41	1,294.50	15.86	1.21	28.80	3.96	
13:18	2.6		6.38	1,290.40	15.76	0.91	35.10	3.75	
13:21	3.5		6.37	1,289.50	15.74	0.76	40.20	3.64	
13:24	4.5		6.37	1,290.90	15.71	0.71	44.30	3.54	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/18/2024 13:24
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.37 pH 1,290.90 Spec. Cond. 15.71 Temp
Field Filtered: No Filter Type:
Water Level: 24.24 feet below TOC Drawdown: 0.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/18/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: MW-35S Duplicate
Sample ID: 031
Date (s): 11/20/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 47 °F Wind Direction: ☐ N ☐ S ☐ W ☒ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/20/2024 9:41 Static Water Level: 6.76 feet below TOC
Total Depth: 18.44 feet below TOC
Water Column: 11.68 feet

Purging Activities

Purged By: JC Purge Date: 11/20/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.68 \text{ ft.} \times 0.022 = 0.26 \text{ L} \times 3 \text{ Vol.} = 0.78 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:41	0.0	333	purge start time						
9:44	1.0	↓	6.67	1,004.40	15.54	5.46	51.40	14.84	
9:47	2.0		6.77	1,002.50	15.65	4.85	54.90	17.95	
9:50	3.0		6.79	1,003.00	15.73	4.70	59.10	18.95	
9:53	4.0		6.80	1,002.60	15.78	4.64	62.30	18.80	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/20/2024 9:53
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.80 pH 1,002.60 Spec. Cond. 15.78 Temp
Field Filtered: No Filter Type:
Water Level: 8.32 feet below TOC Drawdown: 1.56 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 11/20/2024



Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: Equipment Blank 1
Sample ID: 032
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- *No non-dedicated equipment used; no sample

Form Completed By: Date:

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: Equipment Blank 2
Sample ID: 033
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- *No non-dedicated equipment used; no sample

Form Completed By: Date:

Field Data Sheet

Project Name: KIN-24Q4
Project Location: Kincaid, IL
W.O. Number (s): 24110014

Monitoring Point: Equipment Blank 3
Sample ID: 034
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter:
- *No non-dedicated equipment used; no sample

Form Completed By:

Date:

Site Sampling Event: KIN- 24Q4
LIMS Workorder: 24110014
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/18/24 9:34
7.0 Buffer	wc240913b	7.00	11/18/24 9:30
10.0 Buffer	wc240625b	10.00	11/18/24 9:38
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	11/18/24 9:45

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.52	11/18/24 9:45
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	11/18/24 9:51	21.2	6.98	1,407	0.55		
CCV-1-JC	CCV	11/18/24 14:20	22.2	7.01	1,420	0.62		

Comments: _____

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/19/24 8:53
7.0 Buffer	wc240913b	7.00	11/19/24 8:49
10.0 Buffer	wc240625b	10.00	11/19/24 8:58
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	11/19/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.65	11/19/24 9:03
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	11/19/24 9:08	20.9	7.00	1,410	0.62		
CCV-2-JC	CCV	11/19/24 13:46	21.5	7.03	1,425	0.61		

Comments: _____

Site Sampling Event: KIN- 24Q4
LIMS Workorder: 24110014
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/20/24 8:42
7.0 Buffer	wc240913b	7.00	11/20/24 8:38
10.0 Buffer	wc240625b	10.00	11/20/24 8:46
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	11/20/24 8:52

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.58	11/20/24 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	11/20/24 8:55	16.1	7.01	1,411	0.55		
CCV-3-JC	CCV	11/20/24 10:32	16.4	7.01	1,417	0.59		

Comments: _____

Site Sampling Event: KIN- 24Q4
LIMS Workorder: 24110014
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210760 Technician(s): Brett Gillihan Date: 11/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.98	11/18/24 9:30
7.0 Buffer	WC240913B	6.99	11/18/24 9:26
10.0 Buffer	WC240625B	9.99	11/18/24 9:42
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1418	11/18/24 9:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	11/18/24 9:48
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	11/18/24 9:49	15.4	7.00	1,412	1.6		
CCV-1-BG	CCV	11/18/24 15:47	17.5	6.99	1,412	1.6		

Comments: _____



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103115
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications							
Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.00	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.90	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	-0.68	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.12	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.500	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	230.90	240.00	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		Reading Acc % 3.0000	
Stated Accy Pct of Reading		Plus/Minus 0.00	
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>
100.00 / 100.00	%	100.00	%
		<u>End As</u>	<u>Lft As</u>
		96.50	100.00
		<u>Dev%</u>	<u>Pass/Fail</u>
		0.00%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

10521 Research Drive
Suite 102
Knoxville, TN 37932
Toll-free: (865) 777-1418

Pine Environmental Services, Inc.

Instrument ID 223357
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 10:44:47AM

Group # 5				Range Acc % 0.0000				
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000				
Stated Accy Pct of Reading				Plus/Minus 0.00				
<u>Nom In Val / In Val</u>		<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00		%	100.00	%	99.10	100.00	0.00%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date / Opened Date	Next Cal Date / Expiration Date
TN 1.413 3GL1056	TN 1.413 3GL1056	AquaPhoenix Scientific	31986	3GL1056		12/21/2024
TN 126 TURB NTU	TN TURB 126 NTU	YSI	607300	24G24012705		7/30/2025
TN AUTOCAL 24010121	TN AUTOCAL 24010121	GFS	8483	24010121		4/29/2025
TN ORP 4GD1716	TN ORP 4GD1716	AquaPhoenix Scientific	32001	4GD1716		1/1/2025
TN PH10 2GJ290	TN PH10 2GJ290	AquaPhoenix Scientific	32034	2GJ290		10/21/2024
TN PH4 3GL0108	TN PH4 3GL0108	AquaPhoenix Scientific	32017	3GL0108		12/21/2024
TN PH7 4GA0071	TN PH7 4GA0071	AquaPhoenix Scientific	32025	4GA0071		1/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Justin C. Moore

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

10521 Research Drive
Suite 102
Knoxville, TN 37932
Toll-free: (865) 777-1418

Pine Environmental Services, Inc.

Instrument ID 223357
Description YSI Pro DSS Sonde
Calibrated 9/26/2024 10:44:47AM

Manufacturer	YSI	State Certified	
Model Number	Pro DSS	Status	Pass
Serial Number/ Lot	24b105093	Temp °C	73
Number			
Location	Tennessee	Humidity %	64
Department			

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	6.99	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.12	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.97	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.81	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.56	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.421	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	217.50	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 4, 2024**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-3	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	30	97	CI around median	0.001	0.001
MW-3	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.00480
MW-3	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	30	0	CI around median	0.0451	0.150
MW-3	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.001
MW-3	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	30	0	CI around median	1.56	0.296
MW-3	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.001
MW-3	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	30	0	CB around linear reg	27	18.0
MW-3	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	30	97	CB around T-S line	0.0015	0.00950
MW-3	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	30	89	CI around median	0.001	0.00390
MW-3	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	30	6	CI around mean	0.242	0.510
MW-3	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.00510
MW-3	UA	E007	Lithium, total	mg/L	02/25/21 - 11/18/24	16	94	CI around median	0.003	0.0120
MW-3	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.0002	0.0002
MW-3	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.00620
MW-3	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	30	0	CB around linear reg	6.4/6.8	5.6/7.6
MW-3	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 11/18/24	26	0	CI around median	0.271	1.00
MW-3	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	30	100	All ND - Last	0.001	0.00180
MW-3	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	30	0	CB around linear reg	112	151
MW-3	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	30	97	CB around T-S line	0.002	0.002
MW-3	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	30	0	CB around linear reg	540	494
MW-5	UA	E007	Antimony, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.001
MW-5	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/19/24	34	80	CB around T-S line	0.001	0.00480
MW-5	UA	E007	Barium, total	mg/L	12/15/15 - 11/19/24	34	0	CB around T-S line	0.15	0.150
MW-5	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.001
MW-5	UA	E007	Boron, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	0.531	0.296
MW-5	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.001	0.001
MW-5	UA	E007	Chloride, total	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	44.4	18.0

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-5	UA	E007	Chromium, total	mg/L	12/15/15 - 11/19/24	34	90	CB around T-S line	0.0015	0.00950
MW-5	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/19/24	34	82	CI around median	0.001	0.00390
MW-5	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/19/24	34	8	CB around T-S line	0.167	0.510
MW-5	UA	E007	Lead, total	mg/L	12/15/15 - 11/19/24	34	90	CI around median	0.001	0.00510
MW-5	UA	E007	Lithium, total	mg/L	12/15/15 - 11/19/24	26	31	CB around T-S line	0.003	0.0120
MW-5	UA	E007	Mercury, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.0002	0.0002
MW-5	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/19/24	26	96	CB around T-S line	0.00146	0.00620
MW-5	UA	E007	pH (field)	SU	12/15/15 - 11/19/24	34	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-5	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/19/24	35	0	CI around median	0.265	1.00
MW-5	UA	E007	Selenium, total	mg/L	12/15/15 - 11/19/24	34	100	All ND - Last	0.001	0.00180
MW-5	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/19/24	34	33	CI around median	10	151
MW-5	UA	E007	Thallium, total	mg/L	12/15/15 - 11/19/24	31	97	CB around T-S line	0.002	0.002
MW-5	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	719	494
MW-6	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-6	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.00480
MW-6	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	0.0379	0.150
MW-6	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-6	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.978	0.296
MW-6	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.001
MW-6	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	56	CB around T-S line	2.51	18.0
MW-6	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	85	CB around T-S line	0.0015	0.00950
MW-6	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.001	0.00390
MW-6	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CB around linear reg	0.202	0.510
MW-6	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.001	0.00510
MW-6	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	85	CB around T-S line	0.00291	0.0120
MW-6	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.0002
MW-6	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	100	All ND - Last	0.0015	0.00620

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-6	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.3/6.5	5.6/7.6
MW-6	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around median	0.37	1.00
MW-6	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	92	CI around median	0.001	0.00180
MW-6	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	72.8	151
MW-6	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002
MW-6	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	493	494
MW-7	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-7	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	67	CI around median	0.001	0.00480
MW-7	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.0478	0.150
MW-7	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-7	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	0.24	0.296
MW-7	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.001
MW-7	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	74	CI around median	4	18.0
MW-7	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	95	CB around T-S line	0.0015	0.00950
MW-7	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	77	CB around T-S line	0.001	0.00390
MW-7	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CI around mean	0.254	0.510
MW-7	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.00510
MW-7	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	42	CI around median	0.003	0.0120
MW-7	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.0002
MW-7	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	4	CI around mean	0.00247	0.00620
MW-7	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.7/7.0	5.6/7.6
MW-7	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around geomean	0.473	1.00
MW-7	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.00180
MW-7	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CI around geomean	181	151
MW-7	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002
MW-7	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CI around geomean	578	494
MW-7S	USCU	E007	Antimony, total	mg/L	02/24/21 - 11/18/24	14	93	CI around median	0.001	0.001

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-7S	USCU	E007	Arsenic, total	mg/L	02/24/21 - 11/18/24	14	0	CI around median	0.0069	0.00480
MW-7S	USCU	E007	Barium, total	mg/L	02/24/21 - 11/18/24	14	0	CI around median	0.0393	0.150
MW-7S	USCU	E007	Beryllium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.001
MW-7S	USCU	E007	Boron, total	mg/L	02/24/21 - 11/18/24	14	0	CI around mean	3.97	0.296
MW-7S	USCU	E007	Cadmium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.001
MW-7S	USCU	E007	Chloride, total	mg/L	02/24/21 - 11/18/24	14	0	CB around linear reg	6.25	18.0
MW-7S	USCU	E007	Chromium, total	mg/L	02/24/21 - 11/18/24	14	57	CI around median	0.0015	0.00950
MW-7S	USCU	E007	Cobalt, total	mg/L	02/24/21 - 11/18/24	14	14	CI around geomean	0.00105	0.00390
MW-7S	USCU	E007	Fluoride, total	mg/L	02/24/21 - 11/18/24	14	14	CB around linear reg	0.238	0.510
MW-7S	USCU	E007	Lead, total	mg/L	02/24/21 - 11/18/24	14	79	CI around median	0.001	0.00510
MW-7S	USCU	E007	Lithium, total	mg/L	02/24/21 - 11/18/24	14	93	CI around median	0.003	0.0120
MW-7S	USCU	E007	Mercury, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.0002	0.0002
MW-7S	USCU	E007	Molybdenum, total	mg/L	02/24/21 - 11/18/24	14	64	CI around median	0.0015	0.00620
MW-7S	USCU	E007	pH (field)	SU	02/24/21 - 11/18/24	14	0	CI around median	6.5/6.8	5.6/7.6
MW-7S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/18/24	14	0	CI around mean	0.225	1.00
MW-7S	USCU	E007	Selenium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.001	0.00180
MW-7S	USCU	E007	Sulfate, total	mg/L	02/24/21 - 11/18/24	14	0	CI around mean	440	151
MW-7S	USCU	E007	Thallium, total	mg/L	02/24/21 - 11/18/24	14	100	All ND - Last	0.002	0.002
MW-7S	USCU	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/18/24	13	0	CI around median	1,010	494
MW-8	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-8	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.00480
MW-8	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	0.0203	0.150
MW-8	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-8	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around median	0.954	0.296
MW-8	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.001
MW-8	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	13.8	18.0
MW-8	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.0015	0.00950

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MW-8	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	26	CI around geomean	0.00102	0.00390
MW-8	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	5	CB around T-S line	0.22	0.510
MW-8	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.00510
MW-8	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	58	CB around T-S line	0.00299	0.0120
MW-8	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.0002
MW-8	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	100	All ND - Last	0.0015	0.00620
MW-8	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.4/6.6	5.6/7.6
MW-8	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around median	0.2	1.00
MW-8	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	100	All ND - Last	0.001	0.00180
MW-8	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	195	151
MW-8	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002
MW-8	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	745	494
MW-8S	USCU	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-8S	USCU	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.00480
MW-8S	USCU	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	0.150
MW-8S	USCU	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-8S	USCU	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	0.296
MW-8S	USCU	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-8S	USCU	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	18.0
MW-8S	USCU	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.00950
MW-8S	USCU	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.00390
MW-8S	USCU	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	0.510
MW-8S	USCU	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.00510
MW-8S	USCU	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0120
MW-8S	USCU	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
MW-8S	USCU	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.00620
MW-8S	USCU	E007	pH (field)	SU	--	--	--	--	NS ⁷	5.6/7.6

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	1.00
MW-8S	USCU	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.00180
MW-8S	USCU	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	151
MW-8S	USCU	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
MW-8S	USCU	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	494
MW-11	UA	E007	Antimony, total	mg/L	12/15/15 - 11/18/24	32	97	CI around median	0.001	0.001
MW-11	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/18/24	34	29	CI around median	0.0011	0.00480
MW-11	UA	E007	Barium, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	0.105	0.150
MW-11	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/18/24	32	100	All ND - Last	0.001	0.001
MW-11	UA	E007	Boron, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	1.54	0.296
MW-11	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.001	0.001
MW-11	UA	E007	Chloride, total	mg/L	12/15/15 - 11/18/24	34	0	CB around T-S line	27.6	18.0
MW-11	UA	E007	Chromium, total	mg/L	12/15/15 - 11/18/24	34	97	CB around T-S line	0.0015	0.00950
MW-11	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/18/24	34	94	CI around median	0.001	0.00390
MW-11	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/18/24	34	6	CI around median	0.48	0.510
MW-11	UA	E007	Lead, total	mg/L	12/15/15 - 11/18/24	34	97	CI around median	0.001	0.00510
MW-11	UA	E007	Lithium, total	mg/L	12/15/15 - 11/18/24	26	50	CB around linear reg	0.00289	0.0120
MW-11	UA	E007	Mercury, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.0002	0.0002
MW-11	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/18/24	26	4	CI around median	0.0021	0.00620
MW-11	UA	E007	pH (field)	SU	12/15/15 - 11/18/24	34	0	CB around linear reg	6.5/6.8	5.6/7.6
MW-11	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/18/24	35	0	CI around mean	0.562	1.00
MW-11	UA	E007	Selenium, total	mg/L	12/15/15 - 11/18/24	34	68	CI around median	0.001	0.00180
MW-11	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/18/24	34	0	CI around mean	108	151
MW-11	UA	E007	Thallium, total	mg/L	12/15/15 - 11/18/24	31	100	All ND - Last	0.002	0.002
MW-11	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/18/24	34	0	CB around linear reg	587	494
MW-12	UA	E007	Antimony, total	mg/L	12/15/15 - 11/19/24	32	97	CI around median	0.001	0.001
MW-12	UA	E007	Arsenic, total	mg/L	12/15/15 - 11/19/24	34	88	CB around T-S line	0.001	0.00480

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MW-12	UA	E007	Barium, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	0.0828	0.150
MW-12	UA	E007	Beryllium, total	mg/L	12/15/15 - 11/19/24	32	100	All ND - Last	0.001	0.001
MW-12	UA	E007	Boron, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	2.75	0.296
MW-12	UA	E007	Cadmium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.001	0.001
MW-12	UA	E007	Chloride, total	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	20.4	18.0
MW-12	UA	E007	Chromium, total	mg/L	12/15/15 - 11/19/24	34	97	CB around T-S line	0.0015	0.00950
MW-12	UA	E007	Cobalt, total	mg/L	12/15/15 - 11/19/24	34	100	All ND - Last	0.001	0.00390
MW-12	UA	E007	Fluoride, total	mg/L	12/15/15 - 11/19/24	34	6	CB around linear reg	0.197	0.510
MW-12	UA	E007	Lead, total	mg/L	12/15/15 - 11/19/24	34	97	CI around median	0.001	0.00510
MW-12	UA	E007	Lithium, total	mg/L	12/15/15 - 11/19/24	26	0	CI around mean	0.00857	0.0120
MW-12	UA	E007	Mercury, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.0002	0.0002
MW-12	UA	E007	Molybdenum, total	mg/L	12/15/15 - 11/19/24	26	85	CB around T-S line	0.0015	0.00620
MW-12	UA	E007	pH (field)	SU	12/15/15 - 11/19/24	34	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-12	UA	E007	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/19/24	35	0	CI around median	0.447	1.00
MW-12	UA	E007	Selenium, total	mg/L	12/15/15 - 11/19/24	34	97	CI around median	0.001	0.00180
MW-12	UA	E007	Sulfate, total	mg/L	12/15/15 - 11/19/24	34	0	CI around mean	362	151
MW-12	UA	E007	Thallium, total	mg/L	12/15/15 - 11/19/24	31	100	All ND - Last	0.002	0.002
MW-12	UA	E007	Total Dissolved Solids	mg/L	12/15/15 - 11/19/24	34	0	CB around linear reg	996	494
MW-20	UA	E007	Antimony, total	mg/L	02/26/21 - 11/18/24	16	94	CI around median	0.001	0.001
MW-20	UA	E007	Arsenic, total	mg/L	02/26/21 - 11/18/24	16	56	CI around median	0.001	0.00480
MW-20	UA	E007	Barium, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.0657	0.150
MW-20	UA	E007	Beryllium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-20	UA	E007	Boron, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.639	0.296
MW-20	UA	E007	Cadmium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-20	UA	E007	Chloride, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	18.4	18.0
MW-20	UA	E007	Chromium, total	mg/L	02/26/21 - 11/18/24	16	88	CI around median	0.0015	0.00950
MW-20	UA	E007	Cobalt, total	mg/L	02/26/21 - 11/18/24	16	94	CI around median	0.001	0.00390

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MW-20	UA	E007	Fluoride, total	mg/L	02/26/21 - 11/18/24	16	12	CB around linear reg	0.255	0.510
MW-20	UA	E007	Lead, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.00510
MW-20	UA	E007	Lithium, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	-0.00304	0.0120
MW-20	UA	E007	Mercury, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0002	0.0002
MW-20	UA	E007	Molybdenum, total	mg/L	02/26/21 - 11/18/24	16	6	CB around T-S line	-0.00482	0.00620
MW-20	UA	E007	pH (field)	SU	02/26/21 - 11/18/24	16	0	CI around mean	6.8/7.0	5.6/7.6
MW-20	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/18/24	16	0	CB around linear reg	0.373	1.00
MW-20	UA	E007	Selenium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.00180
MW-20	UA	E007	Sulfate, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	147	151
MW-20	UA	E007	Thallium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.002	0.002
MW-20	UA	E007	Total Dissolved Solids	mg/L	02/26/21 - 11/18/24	15	0	CB around linear reg	673	494
MW-20S	USCU	E007	Antimony, total	mg/L	02/26/21 - 11/19/24	16	94	CI around median	0.001	0.001
MW-20S	USCU	E007	Arsenic, total	mg/L	02/26/21 - 11/19/24	16	94	CI around median	0.001	0.00480
MW-20S	USCU	E007	Barium, total	mg/L	02/26/21 - 11/19/24	16	6	CI around median	0.0352	0.150
MW-20S	USCU	E007	Beryllium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-20S	USCU	E007	Boron, total	mg/L	02/26/21 - 11/19/24	16	0	CB around T-S line	1.82	0.296
MW-20S	USCU	E007	Cadmium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-20S	USCU	E007	Chloride, total	mg/L	02/26/21 - 11/19/24	16	0	CI around mean	17.8	18.0
MW-20S	USCU	E007	Chromium, total	mg/L	02/26/21 - 11/19/24	16	94	CI around median	0.0015	0.00950
MW-20S	USCU	E007	Cobalt, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.00390
MW-20S	USCU	E007	Fluoride, total	mg/L	02/26/21 - 11/19/24	16	12	CI around mean	0.179	0.510
MW-20S	USCU	E007	Lead, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.00510
MW-20S	USCU	E007	Lithium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.003	0.0120
MW-20S	USCU	E007	Mercury, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.0002	0.0002
MW-20S	USCU	E007	Molybdenum, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.0015	0.00620
MW-20S	USCU	E007	pH (field)	SU	02/26/21 - 11/19/24	16	0	CI around mean	6.5/6.8	5.6/7.6
MW-20S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/19/24	16	0	CI around mean	0.203	1.00

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-20S	USCU	E007	Selenium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.001	0.00180
MW-20S	USCU	E007	Sulfate, total	mg/L	02/26/21 - 11/19/24	16	0	CI around mean	300	151
MW-20S	USCU	E007	Thallium, total	mg/L	02/26/21 - 11/19/24	16	100	All ND - Last	0.002	0.002
MW-20S	USCU	E007	Total Dissolved Solids	mg/L	02/26/21 - 11/19/24	15	0	CB around linear reg	940	494
MW-23	UA	E007	Antimony, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-23	UA	E007	Arsenic, total	mg/L	02/26/21 - 11/18/24	16	38	CB around T-S line	0.001	0.00480
MW-23	UA	E007	Barium, total	mg/L	02/26/21 - 11/18/24	16	0	CI around median	0.0928	0.150
MW-23	UA	E007	Beryllium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-23	UA	E007	Boron, total	mg/L	02/26/21 - 11/18/24	16	0	CI around median	1.98	0.296
MW-23	UA	E007	Cadmium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-23	UA	E007	Chloride, total	mg/L	02/26/21 - 11/18/24	16	0	CB around linear reg	23.2	18.0
MW-23	UA	E007	Chromium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0015	0.00950
MW-23	UA	E007	Cobalt, total	mg/L	02/26/21 - 11/18/24	16	38	CI around median	0.001	0.00390
MW-23	UA	E007	Fluoride, total	mg/L	02/26/21 - 11/18/24	16	12	CI around median	0.33	0.510
MW-23	UA	E007	Lead, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.00510
MW-23	UA	E007	Lithium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.003	0.0120
MW-23	UA	E007	Mercury, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.0002	0.0002
MW-23	UA	E007	Molybdenum, total	mg/L	02/26/21 - 11/18/24	16	94	CI around median	0.0015	0.00620
MW-23	UA	E007	pH (field)	SU	02/26/21 - 11/18/24	16	0	CI around mean	6.6/6.8	5.6/7.6
MW-23	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/18/24	16	0	CI around mean	0.249	1.00
MW-23	UA	E007	Selenium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.001	0.00180
MW-23	UA	E007	Sulfate, total	mg/L	02/26/21 - 11/18/24	16	0	CI around mean	41.6	151
MW-23	UA	E007	Thallium, total	mg/L	02/26/21 - 11/18/24	16	100	All ND - Last	0.002	0.002
MW-23	UA	E007	Total Dissolved Solids	mg/L	02/26/21 - 11/18/24	15	0	CI around mean	587	494
MW-27	USCU	E007	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-27	USCU	E007	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.00480
MW-27	USCU	E007	Barium, total	mg/L	--	--	--	--	NS ⁷	0.150

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
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KINCAID POWER PLANT
ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-27	USCU	E007	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-27	USCU	E007	Boron, total	mg/L	--	--	--	--	NS ⁷	0.296
MW-27	USCU	E007	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-27	USCU	E007	Chloride, total	mg/L	--	--	--	--	NS ⁷	18.0
MW-27	USCU	E007	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.00950
MW-27	USCU	E007	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.00390
MW-27	USCU	E007	Fluoride, total	mg/L	--	--	--	--	NS ⁷	0.510
MW-27	USCU	E007	Lead, total	mg/L	--	--	--	--	NS ⁷	0.00510
MW-27	USCU	E007	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0120
MW-27	USCU	E007	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
MW-27	USCU	E007	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.00620
MW-27	USCU	E007	pH (field)	SU	--	--	--	--	NS ⁷	5.6/7.6
MW-27	USCU	E007	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	1.00
MW-27	USCU	E007	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.00180
MW-27	USCU	E007	Sulfate, total	mg/L	--	--	--	--	NS ⁷	151
MW-27	USCU	E007	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
MW-27	USCU	E007	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	494
MW-28	UA	E007	Antimony, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-28	UA	E007	Arsenic, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.00480
MW-28	UA	E007	Barium, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	0.0231	0.150
MW-28	UA	E007	Beryllium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-28	UA	E007	Boron, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	8.67	0.296
MW-28	UA	E007	Cadmium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-28	UA	E007	Chloride, total	mg/L	02/24/21 - 11/19/24	16	0	CI around median	12	18.0
MW-28	UA	E007	Chromium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.0015	0.00950
MW-28	UA	E007	Cobalt, total	mg/L	02/24/21 - 11/19/24	16	88	CI around median	0.001	0.00390
MW-28	UA	E007	Fluoride, total	mg/L	02/24/21 - 11/19/24	16	12	CI around median	0.13	0.510

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-28	UA	E007	Lead, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.00510
MW-28	UA	E007	Lithium, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	0.00612	0.0120
MW-28	UA	E007	Mercury, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.0002	0.0002
MW-28	UA	E007	Molybdenum, total	mg/L	02/24/21 - 11/19/24	16	94	CI around median	0.0015	0.00620
MW-28	UA	E007	pH (field)	SU	02/24/21 - 11/19/24	16	0	CI around mean	6.6/6.8	5.6/7.6
MW-28	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/19/24	16	0	CB around linear reg	0.34	1.00
MW-28	UA	E007	Selenium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.001	0.00180
MW-28	UA	E007	Sulfate, total	mg/L	02/24/21 - 11/19/24	16	0	CI around mean	825	151
MW-28	UA	E007	Thallium, total	mg/L	02/24/21 - 11/19/24	16	100	All ND - Last	0.002	0.002
MW-28	UA	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/19/24	15	0	CI around mean	1,660	494
MW-30	UA	E007	Antimony, total	mg/L	02/25/21 - 11/19/24	16	94	Most recent sample	0.001	0.001
MW-30	UA	E007	Arsenic, total	mg/L	02/25/21 - 11/19/24	16	6	CB around linear reg	0.00711	0.00480
MW-30	UA	E007	Barium, total	mg/L	02/25/21 - 11/19/24	16	0	CI around mean	0.155	0.150
MW-30	UA	E007	Beryllium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-30	UA	E007	Boron, total	mg/L	02/25/21 - 11/19/24	16	0	CI around median	1.09	0.296
MW-30	UA	E007	Cadmium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.001
MW-30	UA	E007	Chloride, total	mg/L	02/25/21 - 11/19/24	16	0	CB around linear reg	35.7	18.0
MW-30	UA	E007	Chromium, total	mg/L	02/25/21 - 11/19/24	16	81	CI around median	0.0015	0.00950
MW-30	UA	E007	Cobalt, total	mg/L	02/25/21 - 11/19/24	16	0	CI around mean	0.00205	0.00390
MW-30	UA	E007	Fluoride, total	mg/L	02/25/21 - 11/19/24	16	12	CB around T-S line	0.25	0.510
MW-30	UA	E007	Lead, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.00510
MW-30	UA	E007	Lithium, total	mg/L	02/25/21 - 11/19/24	16	88	CB around T-S line	0.000824	0.0120
MW-30	UA	E007	Mercury, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.0002	0.0002
MW-30	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/19/24	16	31	CI around median	0.0015	0.00620
MW-30	UA	E007	pH (field)	SU	02/25/21 - 11/19/24	16	0	CI around mean	6.5/6.6	5.6/7.6
MW-30	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/19/24	16	0	CI around geomean	0.595	1.00
MW-30	UA	E007	Selenium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.001	0.00180

ATTACHMENT C.
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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-30	UA	E007	Sulfate, total	mg/L	02/25/21 - 11/19/24	16	50	CB around linear reg	-21.8	151
MW-30	UA	E007	Thallium, total	mg/L	02/25/21 - 11/19/24	16	100	All ND - Last	0.002	0.002
MW-30	UA	E007	Total Dissolved Solids	mg/L	02/25/21 - 11/19/24	15	0	CB around T-S line	503	494
MW-31	UA	E007	Antimony, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-31	UA	E007	Arsenic, total	mg/L	02/24/21 - 11/18/24	16	6	CI around geomean	0.00252	0.00480
MW-31	UA	E007	Barium, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.212	0.150
MW-31	UA	E007	Beryllium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-31	UA	E007	Boron, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.228	0.296
MW-31	UA	E007	Cadmium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-31	UA	E007	Chloride, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	44.6	18.0
MW-31	UA	E007	Chromium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.0015	0.00950
MW-31	UA	E007	Cobalt, total	mg/L	02/24/21 - 11/18/24	16	69	CI around median	0.001	0.00390
MW-31	UA	E007	Fluoride, total	mg/L	02/24/21 - 11/18/24	16	12	CI around median	0.17	0.510
MW-31	UA	E007	Lead, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.00510
MW-31	UA	E007	Lithium, total	mg/L	02/24/21 - 11/18/24	16	0	CI around mean	0.0045	0.0120
MW-31	UA	E007	Mercury, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.0002	0.0002
MW-31	UA	E007	Molybdenum, total	mg/L	02/24/21 - 11/18/24	16	62	CB around T-S line	-0.0012	0.00620
MW-31	UA	E007	pH (field)	SU	02/24/21 - 11/18/24	16	0	CI around mean	6.5/6.7	5.6/7.6
MW-31	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/18/24	16	0	CI around mean	0.586	1.00
MW-31	UA	E007	Selenium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.001	0.00180
MW-31	UA	E007	Sulfate, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	10	151
MW-31	UA	E007	Thallium, total	mg/L	02/24/21 - 11/18/24	16	100	All ND - Last	0.002	0.002
MW-31	UA	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/18/24	15	0	CI around mean	569	494
MW-31S	USCU	E007	Antimony, total	mg/L	02/24/21 - 11/19/24	15	87	CI around median	0.001	0.001
MW-31S	USCU	E007	Arsenic, total	mg/L	02/24/21 - 11/19/24	15	0	CI around mean	0.00716	0.00480
MW-31S	USCU	E007	Barium, total	mg/L	02/24/21 - 11/19/24	15	0	CI around geomean	0.216	0.150
MW-31S	USCU	E007	Beryllium, total	mg/L	02/24/21 - 11/19/24	15	93	CI around median	0.001	0.001

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-31S	USCU	E007	Boron, total	mg/L	02/24/21 - 11/19/24	15	7	CI around geomean	0.0363	0.296
MW-31S	USCU	E007	Cadmium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.001	0.001
MW-31S	USCU	E007	Chloride, total	mg/L	02/24/21 - 11/19/24	14	0	CI around median	15	18.0
MW-31S	USCU	E007	Chromium, total	mg/L	02/24/21 - 11/19/24	15	60	CI around median	0.0015	0.00950
MW-31S	USCU	E007	Cobalt, total	mg/L	02/24/21 - 11/19/24	15	0	CI around geomean	0.00244	0.00390
MW-31S	USCU	E007	Fluoride, total	mg/L	02/24/21 - 11/19/24	14	14	CI around mean	0.223	0.510
MW-31S	USCU	E007	Lead, total	mg/L	02/24/21 - 11/19/24	15	47	CI around median	0.001	0.00510
MW-31S	USCU	E007	Lithium, total	mg/L	02/24/21 - 11/19/24	15	60	CI around median	0.003	0.0120
MW-31S	USCU	E007	Mercury, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.0002	0.0002
MW-31S	USCU	E007	Molybdenum, total	mg/L	02/24/21 - 11/19/24	15	47	CB around linear reg	-0.000593	0.00620
MW-31S	USCU	E007	pH (field)	SU	02/24/21 - 11/19/24	16	0	CI around mean	6.5/6.7	5.6/7.6
MW-31S	USCU	E007	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/19/24	14	0	CI around mean	0.869	1.00
MW-31S	USCU	E007	Selenium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.001	0.00180
MW-31S	USCU	E007	Sulfate, total	mg/L	02/24/21 - 11/19/24	14	29	CB around linear reg	-73.3	151
MW-31S	USCU	E007	Thallium, total	mg/L	02/24/21 - 11/19/24	15	100	All ND - Last	0.002	0.002
MW-31S	USCU	E007	Total Dissolved Solids	mg/L	02/24/21 - 11/19/24	13	0	CB around linear reg	595	494
MW-32	UA	E007	Antimony, total	mg/L	02/25/21 - 11/18/24	16	94	CI around median	0.001	0.001
MW-32	UA	E007	Arsenic, total	mg/L	02/25/21 - 11/18/24	16	94	CI around median	0.001	0.00480
MW-32	UA	E007	Barium, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	0.0261	0.150
MW-32	UA	E007	Beryllium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-32	UA	E007	Boron, total	mg/L	02/25/21 - 11/18/24	16	0	CI around mean	1.55	0.296
MW-32	UA	E007	Cadmium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.001
MW-32	UA	E007	Chloride, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	8.99	18.0
MW-32	UA	E007	Chromium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.00950
MW-32	UA	E007	Cobalt, total	mg/L	02/25/21 - 11/18/24	16	81	CI around median	0.001	0.00390
MW-32	UA	E007	Fluoride, total	mg/L	02/25/21 - 11/18/24	16	12	CI around median	0.17	0.510
MW-32	UA	E007	Lead, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.00510

ATTACHMENT C.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-32	UA	E007	Lithium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.003	0.0120
MW-32	UA	E007	Mercury, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0002	0.0002
MW-32	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.0015	0.00620
MW-32	UA	E007	pH (field)	SU	02/25/21 - 11/18/24	16	0	CI around mean	6.3/6.5	5.6/7.6
MW-32	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/18/24	16	0	CI around mean	0.206	1.00
MW-32	UA	E007	Selenium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.001	0.00180
MW-32	UA	E007	Sulfate, total	mg/L	02/25/21 - 11/18/24	16	0	CB around linear reg	297	151
MW-32	UA	E007	Thallium, total	mg/L	02/25/21 - 11/18/24	16	100	All ND - Last	0.002	0.002
MW-32	UA	E007	Total Dissolved Solids	mg/L	02/25/21 - 11/18/24	15	0	CB around linear reg	980	494
PZ-4C	UA	E007	Antimony, total	mg/L	02/25/21 - 11/19/24	15	87	CI around median	0.001	0.001
PZ-4C	UA	E007	Arsenic, total	mg/L	02/25/21 - 11/19/24	15	33	CI around median	0.001	0.00480
PZ-4C	UA	E007	Barium, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	0.25	0.150
PZ-4C	UA	E007	Beryllium, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.001	0.001
PZ-4C	UA	E007	Boron, total	mg/L	02/25/21 - 11/19/24	15	0	CI around mean	1.4	0.296
PZ-4C	UA	E007	Cadmium, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.001	0.001
PZ-4C	UA	E007	Chloride, total	mg/L	02/25/21 - 11/19/24	15	0	CB around linear reg	30.3	18.0
PZ-4C	UA	E007	Chromium, total	mg/L	02/25/21 - 11/19/24	15	40	CI around median	0.0015	0.00950
PZ-4C	UA	E007	Cobalt, total	mg/L	02/25/21 - 11/19/24	15	73	CI around median	0.001	0.00390
PZ-4C	UA	E007	Fluoride, total	mg/L	02/25/21 - 11/19/24	15	13	CB around linear reg	0.256	0.510
PZ-4C	UA	E007	Lead, total	mg/L	02/25/21 - 11/19/24	15	60	CI around median	0.001	0.00510
PZ-4C	UA	E007	Lithium, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	0.0068	0.0120
PZ-4C	UA	E007	Mercury, total	mg/L	02/25/21 - 11/19/24	15	93	CI around median	0.0002	0.0002
PZ-4C	UA	E007	Molybdenum, total	mg/L	02/25/21 - 11/19/24	15	80	CI around median	0.0015	0.00620
PZ-4C	UA	E007	pH (field)	SU	02/25/21 - 11/19/24	15	0	CI around mean	6.7/7.0	5.6/7.6
PZ-4C	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/19/24	15	0	CI around geomean	0.633	1.00
PZ-4C	UA	E007	Selenium, total	mg/L	02/25/21 - 11/19/24	15	100	All ND - Last	0.001	0.00180
PZ-4C	UA	E007	Sulfate, total	mg/L	02/25/21 - 11/19/24	15	0	CI around median	65.3	151

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-4C	UA	E007	Thallium, total	mg/L	02/25/21 - 11/19/24	15	100	All ND - Last	0.002	0.002
PZ-4C	UA	E007	Total Dissolved Solids	mg/L	02/25/21 - 11/19/24	14	0	CI around mean	547	494

Notes:

- = no data available

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Kincaid Generation, LLC’s (Kincaid Generation’s) operating permit application for the Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, Kincaid Generation has not identified any actual exceedances.

Events:

NA

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

USCU = Upper Semi-Confining Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

For pH, the values presented are the lower / upper limits of the background determination