



Illinois Power Generating Company
1500 Eastport Plaza Drive
Collinsville, IL 62234

April 21, 2025

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

Re: Newton Power Plant Primary Ash Pond; IEPA ID # W0798070001-01

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company is submitting groundwater monitoring data for the Quarter 1, 2025 sampling event at the Newton Power Plant Primary Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W0798070001-01. 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 Primary Ash Pond was initiated on November 5, 2023, completed, and submitted to IEPA on April 3, 2024 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan, which ultimately selects a remedy to address all releases from the Primary Ash Pond. The selected remedy meets the performance standards of 35 I.A.C. § 845.670(d), and a public meeting was held on February 26, 2025, prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d) and a corrective action plan was submitted to IEPA on April 1, 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 1, 2025, Primary Ash Pond, Newton Power Plant, Newton, 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 Illinois Power Generating Company's operating permit application for Newton Power Plant Primary Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Generating Company has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 1, 2025
PRIMARY ASH POND, NEWTON POWER PLANT, NEWTON, ILLINOIS

April 21, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on February 20, 2025.

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

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

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration³ (ASD) was submitted on October 6, 2023 for the exceedance of the chloride GWPS detected at monitoring well APW15 during the Quarter 2, 2023 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on November 7, 2023⁴ that did not concur with the ASD. The non-concurrence was appealed, and on January 18, 2024, the Illinois Pollution Control Board granted the company's requests to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance(s) of the chloride GWPS at monitoring well APW15.

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 Illinois Power Generating Company's operating permit application for Newton Power Plant Primary Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, Illinois Power Generating Company has not identified any actual exceedances.

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

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 35 I.A.C. § 845.650(E): *Alternative Source Demonstration, Primary Ash Pond, Newton Power Plant, Newton, Illinois, IEPA ID: W0798070001-01.* October 6, 2023.

⁴ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Illinois Power Generating Company): Re: Newton Power Plant Primary Ash Pond - W079807001-01, Alternative Source Demonstration Submittal.* November 7, 2023.

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

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

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05	Background	E008	01/15/2025	Antimony, total	0.0006 J	mg/L
APW05	Background	E008	01/15/2025	Arsenic, total	0.00460	mg/L
APW05	Background	E008	01/15/2025	Barium, total	0.220	mg/L
APW05	Background	E008	01/15/2025	Beryllium, total	0.0002 U	mg/L
APW05	Background	E008	01/15/2025	Boron, total	0.113	mg/L
APW05	Background	E008	01/15/2025	Cadmium, total	0.0002 U	mg/L
APW05	Background	E008	01/15/2025	Calcium, total	50.0	mg/L
APW05	Background	E008	01/15/2025	Chloride, total	45.0	mg/L
APW05	Background	E008	01/15/2025	Chromium, total	0.0012 J	mg/L
APW05	Background	E008	01/15/2025	Cobalt, total	0.0001 U	mg/L
APW05	Background	E008	01/15/2025	Dissolved Oxygen	5.71	mg/L
APW05	Background	E008	01/15/2025	Fluoride, total	0.41 J	mg/L
APW05	Background	E008	01/15/2025	Lead, total	0.0006 U	mg/L
APW05	Background	E008	01/15/2025	Lithium, total	0.0110	mg/L
APW05	Background	E008	01/15/2025	Mercury, total	0.00006 U	mg/L
APW05	Background	E008	01/15/2025	Molybdenum, total	0.0180	mg/L
APW05	Background	E008	01/15/2025	Oxidation Reduction Potential	84.0	mV
APW05	Background	E008	01/15/2025	pH (field)	7.5	SU
APW05	Background	E008	01/15/2025	Radium 226 + Radium 228, total	0.1	pCi/L
APW05	Background	E008	01/15/2025	Selenium, total	0.0006 U	mg/L
APW05	Background	E008	01/15/2025	Specific Conductance @ 25C (field)	1,560	micromhos/cm
APW05	Background	E008	01/15/2025	Sulfate, total	5.8 J	mg/L
APW05	Background	E008	01/15/2025	Temperature	9.20	degrees C
APW05	Background	E008	01/15/2025	Thallium, total	0.001 U	mg/L
APW05	Background	E008	01/15/2025	Total Dissolved Solids	562	mg/L
APW05	Background	E008	01/15/2025	Turbidity, field	1 U	NTU
APW06	Background	E008	01/15/2025	Antimony, total	0.0004 U	mg/L
APW06	Background	E008	01/15/2025	Arsenic, total	0.0103	mg/L
APW06	Background	E008	01/15/2025	Barium, total	0.250	mg/L
APW06	Background	E008	01/15/2025	Beryllium, total	0.0002 U	mg/L
APW06	Background	E008	01/15/2025	Boron, total	0.0767	mg/L
APW06	Background	E008	01/15/2025	Cadmium, total	0.0002 U	mg/L
APW06	Background	E008	01/15/2025	Calcium, total	60.8	mg/L
APW06	Background	E008	01/15/2025	Chloride, total	21.4	mg/L
APW06	Background	E008	01/15/2025	Chromium, total	0.0011 J	mg/L
APW06	Background	E008	01/15/2025	Cobalt, total	0.0003 J	mg/L
APW06	Background	E008	01/15/2025	Dissolved Oxygen	0.610	mg/L
APW06	Background	E008	01/15/2025	Fluoride, total	0.48 J	mg/L
APW06	Background	E008	01/15/2025	Lead, total	0.00160	mg/L
APW06	Background	E008	01/15/2025	Lithium, total	0.0113	mg/L
APW06	Background	E008	01/15/2025	Mercury, total	0.00006 U	mg/L
APW06	Background	E008	01/15/2025	Molybdenum, total	0.00810	mg/L
APW06	Background	E008	01/15/2025	Oxidation Reduction Potential	-128	mV
APW06	Background	E008	01/15/2025	pH (field)	7.7	SU
APW06	Background	E008	01/15/2025	Radium 226 + Radium 228, total	0.76	pCi/L
APW06	Background	E008	01/15/2025	Selenium, total	0.0006 U	mg/L

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NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW06	Background	E008	01/15/2025	Specific Conductance @ 25C (field)	415	micromhos/cm
APW06	Background	E008	01/15/2025	Sulfate, total	3.5 J	mg/L
APW06	Background	E008	01/15/2025	Temperature	13.1	degrees C
APW06	Background	E008	01/15/2025	Thallium, total	0.001 U	mg/L
APW06	Background	E008	01/15/2025	Total Dissolved Solids	486	mg/L
APW06	Background	E008	01/15/2025	Turbidity, field	47.0	NTU
APW02	Compliance	E008	01/14/2025	Antimony, total	0.0004 U	mg/L
APW02	Compliance	E008	01/14/2025	Arsenic, total	0.0005 J	mg/L
APW02	Compliance	E008	01/14/2025	Barium, total	0.00640	mg/L
APW02	Compliance	E008	01/14/2025	Beryllium, total	0.0002 U	mg/L
APW02	Compliance	E008	01/14/2025	Boron, total	0.0430	mg/L
APW02	Compliance	E008	01/14/2025	Cadmium, total	0.0002 U	mg/L
APW02	Compliance	E008	01/14/2025	Calcium, total	382	mg/L
APW02	Compliance	E008	01/14/2025	Chloride, total	71.1	mg/L
APW02	Compliance	E008	01/14/2025	Chromium, total	0.0009 J	mg/L
APW02	Compliance	E008	01/14/2025	Cobalt, total	0.0001 U	mg/L
APW02	Compliance	E008	01/14/2025	Dissolved Oxygen	3.02	mg/L
APW02	Compliance	E008	01/14/2025	Fluoride, total	0.2 U	mg/L
APW02	Compliance	E008	01/14/2025	Lead, total	0.0006 U	mg/L
APW02	Compliance	E008	01/14/2025	Lithium, total	0.0721	mg/L
APW02	Compliance	E008	01/14/2025	Mercury, total	0.00006 U	mg/L
APW02	Compliance	E008	01/14/2025	Molybdenum, total	0.0009 J	mg/L
APW02	Compliance	E008	01/14/2025	Oxidation Reduction Potential	31.0	mV
APW02	Compliance	E008	01/14/2025	pH (field)	6.6	SU
APW02	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	0.253	pCi/L
APW02	Compliance	E008	01/14/2025	Selenium, total	0.0006 U	mg/L
APW02	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	5,610	micromhos/cm
APW02	Compliance	E008	01/14/2025	Sulfate, total	2,890	mg/L
APW02	Compliance	E008	01/14/2025	Temperature	7.90	degrees C
APW02	Compliance	E008	01/14/2025	Thallium, total	0.001 U	mg/L
APW02	Compliance	E008	01/14/2025	Total Dissolved Solids	4,800	mg/L
APW02	Compliance	E008	01/14/2025	Turbidity, field	1 U	NTU
APW03	Compliance	E008	01/16/2025	Antimony, total	0.0004 U	mg/L
APW03	Compliance	E008	01/16/2025	Arsenic, total	0.0006 J	mg/L
APW03	Compliance	E008	01/16/2025	Barium, total	0.113	mg/L
APW03	Compliance	E008	01/16/2025	Beryllium, total	0.0002 U	mg/L
APW03	Compliance	E008	01/16/2025	Boron, total	0.412	mg/L
APW03	Compliance	E008	01/16/2025	Cadmium, total	0.0002 U	mg/L
APW03	Compliance	E008	01/16/2025	Calcium, total	103	mg/L
APW03	Compliance	E008	01/16/2025	Chloride, total	7.77	mg/L
APW03	Compliance	E008	01/16/2025	Chromium, total	0.0013 J	mg/L
APW03	Compliance	E008	01/16/2025	Cobalt, total	0.0003 J	mg/L
APW03	Compliance	E008	01/16/2025	Dissolved Oxygen	2.92	mg/L
APW03	Compliance	E008	01/16/2025	Fluoride, total	0.2 U	mg/L
APW03	Compliance	E008	01/16/2025	Lead, total	0.0006 U	mg/L
APW03	Compliance	E008	01/16/2025	Lithium, total	0.0116	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW03	Compliance	E008	01/16/2025	Mercury, total	0.00006 U	mg/L
APW03	Compliance	E008	01/16/2025	Molybdenum, total	0.0006 U	mg/L
APW03	Compliance	E008	01/16/2025	Oxidation Reduction Potential	-69.0	mV
APW03	Compliance	E008	01/16/2025	pH (field)	6.9	SU
APW03	Compliance	E008	01/16/2025	Radium 226 + Radium 228, total	0.474	pCi/L
APW03	Compliance	E008	01/16/2025	Selenium, total	0.0006 U	mg/L
APW03	Compliance	E008	01/16/2025	Specific Conductance @ 25C (field)	354	micromhos/cm
APW03	Compliance	E008	01/16/2025	Sulfate, total	94.7	mg/L
APW03	Compliance	E008	01/16/2025	Temperature	9.80	degrees C
APW03	Compliance	E008	01/16/2025	Thallium, total	0.001 U	mg/L
APW03	Compliance	E008	01/16/2025	Total Dissolved Solids	620	mg/L
APW03	Compliance	E008	01/16/2025	Turbidity, field	8.00	NTU
APW04	Compliance	E008	01/15/2025	Antimony, total	0.0004 U	mg/L
APW04	Compliance	E008	01/15/2025	Arsenic, total	0.0005 J	mg/L
APW04	Compliance	E008	01/15/2025	Barium, total	0.0182	mg/L
APW04	Compliance	E008	01/15/2025	Beryllium, total	0.0002 U	mg/L
APW04	Compliance	E008	01/15/2025	Boron, total	0.0299	mg/L
APW04	Compliance	E008	01/15/2025	Cadmium, total	0.0002 U	mg/L
APW04	Compliance	E008	01/15/2025	Calcium, total	217	mg/L
APW04	Compliance	E008	01/15/2025	Chloride, total	32.3	mg/L
APW04	Compliance	E008	01/15/2025	Chromium, total	0.0013 J	mg/L
APW04	Compliance	E008	01/15/2025	Cobalt, total	0.0002 J	mg/L
APW04	Compliance	E008	01/15/2025	Dissolved Oxygen	1.03	mg/L
APW04	Compliance	E008	01/15/2025	Fluoride, total	0.2 U	mg/L
APW04	Compliance	E008	01/15/2025	Lead, total	0.0006 U	mg/L
APW04	Compliance	E008	01/15/2025	Lithium, total	0.0254	mg/L
APW04	Compliance	E008	01/15/2025	Mercury, total	0.00006 U	mg/L
APW04	Compliance	E008	01/15/2025	Molybdenum, total	0.0007 J	mg/L
APW04	Compliance	E008	01/15/2025	Oxidation Reduction Potential	132	mV
APW04	Compliance	E008	01/15/2025	pH (field)	6.7	SU
APW04	Compliance	E008	01/15/2025	Radium 226 + Radium 228, total	0.0455	pCi/L
APW04	Compliance	E008	01/15/2025	Selenium, total	0.0006 U	mg/L
APW04	Compliance	E008	01/15/2025	Specific Conductance @ 25C (field)	2,910	micromhos/cm
APW04	Compliance	E008	01/15/2025	Sulfate, total	815	mg/L
APW04	Compliance	E008	01/15/2025	Temperature	7.80	degrees C
APW04	Compliance	E008	01/15/2025	Thallium, total	0.001 U	mg/L
APW04	Compliance	E008	01/15/2025	Total Dissolved Solids	1,780	mg/L
APW04	Compliance	E008	01/15/2025	Turbidity, field	5.50	NTU
APW05S	Compliance	E008	01/15/2025	Antimony, total	0.0004 U	mg/L
APW05S	Compliance	E008	01/15/2025	Arsenic, total	0.0008 J	mg/L
APW05S	Compliance	E008	01/15/2025	Barium, total	0.0270	mg/L
APW05S	Compliance	E008	01/15/2025	Beryllium, total	0.0002 U	mg/L
APW05S	Compliance	E008	01/15/2025	Boron, total	0.0443	mg/L
APW05S	Compliance	E008	01/15/2025	Cadmium, total	0.0002 U	mg/L
APW05S	Compliance	E008	01/15/2025	Calcium, total	401	mg/L
APW05S	Compliance	E008	01/15/2025	Chloride, total	136	mg/L

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APW05S	Compliance	E008	01/15/2025	Chromium, total	0.0011 J	mg/L
APW05S	Compliance	E008	01/15/2025	Cobalt, total	0.0004 J	mg/L
APW05S	Compliance	E008	01/15/2025	Dissolved Oxygen	2.14	mg/L
APW05S	Compliance	E008	01/15/2025	Fluoride, total	0.34 J	mg/L
APW05S	Compliance	E008	01/15/2025	Lead, total	0.0006 U	mg/L
APW05S	Compliance	E008	01/15/2025	Lithium, total	0.0423	mg/L
APW05S	Compliance	E008	01/15/2025	Mercury, total	0.00006 U	mg/L
APW05S	Compliance	E008	01/15/2025	Molybdenum, total	0.0012 J	mg/L
APW05S	Compliance	E008	01/15/2025	Oxidation Reduction Potential	97.0	mV
APW05S	Compliance	E008	01/15/2025	pH (field)	6.7	SU
APW05S	Compliance	E008	01/15/2025	Radium 226 + Radium 228, total	0.466	pCi/L
APW05S	Compliance	E008	01/15/2025	Selenium, total	0.0006 U	mg/L
APW05S	Compliance	E008	01/15/2025	Specific Conductance @ 25C (field)	4,300	micromhos/cm
APW05S	Compliance	E008	01/15/2025	Sulfate, total	1,860	mg/L
APW05S	Compliance	E008	01/15/2025	Temperature	5.70	degrees C
APW05S	Compliance	E008	01/15/2025	Thallium, total	0.001 U	mg/L
APW05S	Compliance	E008	01/15/2025	Total Dissolved Solids	3,470	mg/L
APW05S	Compliance	E008	01/15/2025	Turbidity, field	3.80	NTU
APW07	Compliance	E008	01/20/2025	Antimony, total	0.0004 U	mg/L
APW07	Compliance	E008	01/20/2025	Arsenic, total	0.0137	mg/L
APW07	Compliance	E008	01/20/2025	Barium, total	0.446	mg/L
APW07	Compliance	E008	01/20/2025	Beryllium, total	0.0002 U	mg/L
APW07	Compliance	E008	01/20/2025	Boron, total	0.0943	mg/L
APW07	Compliance	E008	01/20/2025	Cadmium, total	0.0002 U	mg/L
APW07	Compliance	E008	01/20/2025	Calcium, total	97.0	mg/L
APW07	Compliance	E008	01/20/2025	Chloride, total	59.5	mg/L
APW07	Compliance	E008	01/20/2025	Chromium, total	0.00590	mg/L
APW07	Compliance	E008	01/20/2025	Cobalt, total	0.00150	mg/L
APW07	Compliance	E008	01/20/2025	Dissolved Oxygen	0.720	mg/L
APW07	Compliance	E008	01/20/2025	Fluoride, total	0.4 J	mg/L
APW07	Compliance	E008	01/20/2025	Lead, total	0.00280	mg/L
APW07	Compliance	E008	01/20/2025	Lithium, total	0.00600	mg/L
APW07	Compliance	E008	01/20/2025	Mercury, total	0.00006 U	mg/L
APW07	Compliance	E008	01/20/2025	Molybdenum, total	0.00230	mg/L
APW07	Compliance	E008	01/20/2025	Oxidation Reduction Potential	66.0	mV
APW07	Compliance	E008	01/20/2025	pH (field)	7.1	SU
APW07	Compliance	E008	01/20/2025	Radium 226 + Radium 228, total	1.71	pCi/L
APW07	Compliance	E008	01/20/2025	Selenium, total	0.0006 U	mg/L
APW07	Compliance	E008	01/20/2025	Specific Conductance @ 25C (field)	993	micromhos/cm
APW07	Compliance	E008	01/20/2025	Sulfate, total	14.8	mg/L
APW07	Compliance	E008	01/20/2025	Temperature	12.2	degrees C
APW07	Compliance	E008	01/20/2025	Thallium, total	0.001 U	mg/L
APW07	Compliance	E008	01/20/2025	Total Dissolved Solids	715	mg/L
APW07	Compliance	E008	01/20/2025	Turbidity, field	150	NTU
APW08	Compliance	E008	01/14/2025	Antimony, total	0.0004 U	mg/L
APW08	Compliance	E008	01/14/2025	Arsenic, total	0.0214	mg/L

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NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW08	Compliance	E008	01/14/2025	Barium, total	0.450	mg/L
APW08	Compliance	E008	01/14/2025	Beryllium, total	0.0002 U	mg/L
APW08	Compliance	E008	01/14/2025	Boron, total	0.0847	mg/L
APW08	Compliance	E008	01/14/2025	Cadmium, total	0.0002 U	mg/L
APW08	Compliance	E008	01/14/2025	Calcium, total	109	mg/L
APW08	Compliance	E008	01/14/2025	Chloride, total	52.7	mg/L
APW08	Compliance	E008	01/14/2025	Chromium, total	0.0101	mg/L
APW08	Compliance	E008	01/14/2025	Cobalt, total	0.00310	mg/L
APW08	Compliance	E008	01/14/2025	Dissolved Oxygen	0.270	mg/L
APW08	Compliance	E008	01/14/2025	Fluoride, total	0.42 J	mg/L
APW08	Compliance	E008	01/14/2025	Lead, total	0.00470	mg/L
APW08	Compliance	E008	01/14/2025	Lithium, total	0.00790	mg/L
APW08	Compliance	E008	01/14/2025	Mercury, total	0.00006 U	mg/L
APW08	Compliance	E008	01/14/2025	Molybdenum, total	0.00460	mg/L
APW08	Compliance	E008	01/14/2025	Oxidation Reduction Potential	-43.0	mV
APW08	Compliance	E008	01/14/2025	pH (field)	7.1	SU
APW08	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	1.04	pCi/L
APW08	Compliance	E008	01/14/2025	Selenium, total	0.0006 U	mg/L
APW08	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	1,940	micromhos/cm
APW08	Compliance	E008	01/14/2025	Sulfate, total	47.8	mg/L
APW08	Compliance	E008	01/14/2025	Temperature	11.9	degrees C
APW08	Compliance	E008	01/14/2025	Thallium, total	0.001 U	mg/L
APW08	Compliance	E008	01/14/2025	Total Dissolved Solids	641	mg/L
APW08	Compliance	E008	01/14/2025	Turbidity, field	59.0	NTU
APW09	Compliance	E008	01/16/2025	Antimony, total	0.0004 U	mg/L
APW09	Compliance	E008	01/16/2025	Arsenic, total	0.0290	mg/L
APW09	Compliance	E008	01/16/2025	Barium, total	0.490	mg/L
APW09	Compliance	E008	01/16/2025	Beryllium, total	0.0002 U	mg/L
APW09	Compliance	E008	01/16/2025	Boron, total	0.110	mg/L
APW09	Compliance	E008	01/16/2025	Cadmium, total	0.0002 U	mg/L
APW09	Compliance	E008	01/16/2025	Calcium, total	87.5	mg/L
APW09	Compliance	E008	01/16/2025	Chloride, total	128	mg/L
APW09	Compliance	E008	01/16/2025	Chromium, total	0.00180	mg/L
APW09	Compliance	E008	01/16/2025	Cobalt, total	0.0007 J	mg/L
APW09	Compliance	E008	01/16/2025	Dissolved Oxygen	0.480	mg/L
APW09	Compliance	E008	01/16/2025	Fluoride, total	0.46 J	mg/L
APW09	Compliance	E008	01/16/2025	Lead, total	0.00340	mg/L
APW09	Compliance	E008	01/16/2025	Lithium, total	0.00950	mg/L
APW09	Compliance	E008	01/16/2025	Mercury, total	0.00006 U	mg/L
APW09	Compliance	E008	01/16/2025	Molybdenum, total	0.00350	mg/L
APW09	Compliance	E008	01/16/2025	Oxidation Reduction Potential	-153	mV
APW09	Compliance	E008	01/16/2025	pH (field)	7.5	SU
APW09	Compliance	E008	01/16/2025	Radium 226 + Radium 228, total	1.55	pCi/L
APW09	Compliance	E008	01/16/2025	Selenium, total	0.0006 U	mg/L
APW09	Compliance	E008	01/16/2025	Specific Conductance @ 25C (field)	484	micromhos/cm
APW09	Compliance	E008	01/16/2025	Sulfate, total	14.8	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW09	Compliance	E008	01/16/2025	Temperature	13.0	degrees C
APW09	Compliance	E008	01/16/2025	Thallium, total	0.001 U	mg/L
APW09	Compliance	E008	01/16/2025	Total Dissolved Solids	780	mg/L
APW09	Compliance	E008	01/16/2025	Turbidity, field	7.90	NTU
APW10	Compliance	E008	01/15/2025	Antimony, total	0.0004 U	mg/L
APW10	Compliance	E008	01/15/2025	Arsenic, total	0.0115	mg/L
APW10	Compliance	E008	01/15/2025	Barium, total	0.0326	mg/L
APW10	Compliance	E008	01/15/2025	Beryllium, total	0.0002 U	mg/L
APW10	Compliance	E008	01/15/2025	Boron, total	0.0769	mg/L
APW10	Compliance	E008	01/15/2025	Cadmium, total	0.0002 U	mg/L
APW10	Compliance	E008	01/15/2025	Calcium, total	153	mg/L
APW10	Compliance	E008	01/15/2025	Chloride, total	41.5	mg/L
APW10	Compliance	E008	01/15/2025	Chromium, total	0.00230	mg/L
APW10	Compliance	E008	01/15/2025	Cobalt, total	0.0009 J	mg/L
APW10	Compliance	E008	01/15/2025	Dissolved Oxygen	0.0600	mg/L
APW10	Compliance	E008	01/15/2025	Fluoride, total	0.22 J	mg/L
APW10	Compliance	E008	01/15/2025	Lead, total	0.0009 J	mg/L
APW10	Compliance	E008	01/15/2025	Lithium, total	0.0231	mg/L
APW10	Compliance	E008	01/15/2025	Mercury, total	0.00006 U	mg/L
APW10	Compliance	E008	01/15/2025	Molybdenum, total	0.00710	mg/L
APW10	Compliance	E008	01/15/2025	Oxidation Reduction Potential	54.0	mV
APW10	Compliance	E008	01/15/2025	pH (field)	7.0	SU
APW10	Compliance	E008	01/15/2025	Radium 226 + Radium 228, total	0.351	pCi/L
APW10	Compliance	E008	01/15/2025	Selenium, total	0.0006 U	mg/L
APW10	Compliance	E008	01/15/2025	Specific Conductance @ 25C (field)	2,440	micromhos/cm
APW10	Compliance	E008	01/15/2025	Sulfate, total	391	mg/L
APW10	Compliance	E008	01/15/2025	Temperature	12.3	degrees C
APW10	Compliance	E008	01/15/2025	Thallium, total	0.001 U	mg/L
APW10	Compliance	E008	01/15/2025	Total Dissolved Solids	1,070	mg/L
APW10	Compliance	E008	01/15/2025	Turbidity, field	100	NTU
APW11	Compliance	E008	01/13/2025	Antimony, total	0.0004 U	mg/L
APW11	Compliance	E008	01/13/2025	Arsenic, total	0.00230	mg/L
APW11	Compliance	E008	01/13/2025	Barium, total	0.0303	mg/L
APW11	Compliance	E008	01/13/2025	Beryllium, total	0.0002 U	mg/L
APW11	Compliance	E008	01/13/2025	Boron, total	0.0552	mg/L
APW11	Compliance	E008	01/13/2025	Cadmium, total	0.0002 U	mg/L
APW11	Compliance	E008	01/13/2025	Calcium, total	122	mg/L
APW11	Compliance	E008	01/13/2025	Chloride, total	23.9	mg/L
APW11	Compliance	E008	01/13/2025	Chromium, total	0.0007 U	mg/L
APW11	Compliance	E008	01/13/2025	Cobalt, total	0.0002 J	mg/L
APW11	Compliance	E008	01/13/2025	Dissolved Oxygen	0.750	mg/L
APW11	Compliance	E008	01/13/2025	Fluoride, total	0.3 J	mg/L
APW11	Compliance	E008	01/13/2025	Lead, total	0.0006 U	mg/L
APW11	Compliance	E008	01/13/2025	Lithium, total	0.0212	mg/L
APW11	Compliance	E008	01/13/2025	Mercury, total	0.00006 U	mg/L
APW11	Compliance	E008	01/13/2025	Molybdenum, total	0.00410	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW11	Compliance	E008	01/13/2025	Oxidation Reduction Potential	-17.0	mV
APW11	Compliance	E008	01/13/2025	pH (field)	7.3	SU
APW11	Compliance	E008	01/13/2025	Radium 226 + Radium 228, total	0.688	pCi/L
APW11	Compliance	E008	01/13/2025	Selenium, total	0.0006 U	mg/L
APW11	Compliance	E008	01/13/2025	Specific Conductance @ 25C (field)	1,080	micromhos/cm
APW11	Compliance	E008	01/13/2025	Sulfate, total	296	mg/L
APW11	Compliance	E008	01/13/2025	Temperature	12.1	degrees C
APW11	Compliance	E008	01/13/2025	Thallium, total	0.001 U	mg/L
APW11	Compliance	E008	01/13/2025	Total Dissolved Solids	792	mg/L
APW11	Compliance	E008	01/13/2025	Turbidity, field	37.0	NTU
APW12	Compliance	E008	01/13/2025	Antimony, total	0.0004 U	mg/L
APW12	Compliance	E008	01/13/2025	Arsenic, total	0.0006 J	mg/L
APW12	Compliance	E008	01/13/2025	Barium, total	0.0306	mg/L
APW12	Compliance	E008	01/13/2025	Beryllium, total	0.0002 U	mg/L
APW12	Compliance	E008	01/13/2025	Boron, total	0.889	mg/L
APW12	Compliance	E008	01/13/2025	Cadmium, total	0.0002 U	mg/L
APW12	Compliance	E008	01/13/2025	Calcium, total	253	mg/L
APW12	Compliance	E008	01/13/2025	Chloride, total	28.4	mg/L
APW12	Compliance	E008	01/13/2025	Chromium, total	0.0007 U	mg/L
APW12	Compliance	E008	01/13/2025	Cobalt, total	0.0008 J	mg/L
APW12	Compliance	E008	01/13/2025	Dissolved Oxygen	0.940	mg/L
APW12	Compliance	E008	01/13/2025	Fluoride, total	0.2 U	mg/L
APW12	Compliance	E008	01/13/2025	Lead, total	0.0006 U	mg/L
APW12	Compliance	E008	01/13/2025	Lithium, total	0.0310	mg/L
APW12	Compliance	E008	01/13/2025	Mercury, total	0.00006 U	mg/L
APW12	Compliance	E008	01/13/2025	Molybdenum, total	0.0006 U	mg/L
APW12	Compliance	E008	01/13/2025	Oxidation Reduction Potential	9.00	mV
APW12	Compliance	E008	01/13/2025	pH (field)	6.6	SU
APW12	Compliance	E008	01/13/2025	Radium 226 + Radium 228, total	0.36	pCi/L
APW12	Compliance	E008	01/13/2025	Selenium, total	0.0006 U	mg/L
APW12	Compliance	E008	01/13/2025	Specific Conductance @ 25C (field)	915	micromhos/cm
APW12	Compliance	E008	01/13/2025	Sulfate, total	845	mg/L
APW12	Compliance	E008	01/13/2025	Temperature	5.70	degrees C
APW12	Compliance	E008	01/13/2025	Thallium, total	0.001 U	mg/L
APW12	Compliance	E008	01/13/2025	Total Dissolved Solids	1,920	mg/L
APW12	Compliance	E008	01/13/2025	Turbidity, field	4.50	NTU
APW13	Compliance	E008	01/16/2025	Antimony, total	0.0004 U	mg/L
APW13	Compliance	E008	01/16/2025	Arsenic, total	0.00360	mg/L
APW13	Compliance	E008	01/16/2025	Barium, total	0.0578	mg/L
APW13	Compliance	E008	01/16/2025	Beryllium, total	0.0002 U	mg/L
APW13	Compliance	E008	01/16/2025	Boron, total	0.115	mg/L
APW13	Compliance	E008	01/16/2025	Cadmium, total	0.0002 U	mg/L
APW13	Compliance	E008	01/16/2025	Calcium, total	138	mg/L
APW13	Compliance	E008	01/16/2025	Chloride, total	47.3	mg/L
APW13	Compliance	E008	01/16/2025	Chromium, total	0.0007 U	mg/L
APW13	Compliance	E008	01/16/2025	Cobalt, total	0.0001 J	mg/L

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FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW13	Compliance	E008	01/16/2025	Dissolved Oxygen	1.06	mg/L
APW13	Compliance	E008	01/16/2025	Fluoride, total	0.37 J	mg/L
APW13	Compliance	E008	01/16/2025	Lead, total	0.0006 U	mg/L
APW13	Compliance	E008	01/16/2025	Lithium, total	0.0260	mg/L
APW13	Compliance	E008	01/16/2025	Mercury, total	0.00006 U	mg/L
APW13	Compliance	E008	01/16/2025	Molybdenum, total	0.00650	mg/L
APW13	Compliance	E008	01/16/2025	Oxidation Reduction Potential	-57.0	mV
APW13	Compliance	E008	01/16/2025	pH (field)	6.9	SU
APW13	Compliance	E008	01/16/2025	Radium 226 + Radium 228, total	0.328	pCi/L
APW13	Compliance	E008	01/16/2025	Selenium, total	0.0006 U	mg/L
APW13	Compliance	E008	01/16/2025	Specific Conductance @ 25C (field)	2,320	micromhos/cm
APW13	Compliance	E008	01/16/2025	Sulfate, total	272	mg/L
APW13	Compliance	E008	01/16/2025	Temperature	11.5	degrees C
APW13	Compliance	E008	01/16/2025	Thallium, total	0.001 U	mg/L
APW13	Compliance	E008	01/16/2025	Total Dissolved Solids	974	mg/L
APW13	Compliance	E008	01/16/2025	Turbidity, field	17.0	NTU
APW14	Compliance	E008	01/16/2025	Antimony, total	0.0004 U	mg/L
APW14	Compliance	E008	01/16/2025	Arsenic, total	0.0004 U	mg/L
APW14	Compliance	E008	01/16/2025	Barium, total	0.0007 U	mg/L
APW14	Compliance	E008	01/16/2025	Beryllium, total	0.0002 U	mg/L
APW14	Compliance	E008	01/16/2025	Boron, total	0.0092 U	mg/L
APW14	Compliance	E008	01/16/2025	Cadmium, total	0.0002 U	mg/L
APW14	Compliance	E008	01/16/2025	Calcium, total	152	mg/L
APW14	Compliance	E008	01/16/2025	Chloride, total	39.2	mg/L
APW14	Compliance	E008	01/16/2025	Chromium, total	0.0007 U	mg/L
APW14	Compliance	E008	01/16/2025	Cobalt, total	0.0003 J	mg/L
APW14	Compliance	E008	01/16/2025	Dissolved Oxygen	0.360	mg/L
APW14	Compliance	E008	01/16/2025	Fluoride, total	0.26 J	mg/L
APW14	Compliance	E008	01/16/2025	Lead, total	0.0006 U	mg/L
APW14	Compliance	E008	01/16/2025	Lithium, total	0.0014 U	mg/L
APW14	Compliance	E008	01/16/2025	Mercury, total	0.00006 U	mg/L
APW14	Compliance	E008	01/16/2025	Molybdenum, total	0.0006 U	mg/L
APW14	Compliance	E008	01/16/2025	Oxidation Reduction Potential	-122	mV
APW14	Compliance	E008	01/16/2025	pH (field)	7.0	SU
APW14	Compliance	E008	01/16/2025	Radium 226 + Radium 228, total	0.481	pCi/L
APW14	Compliance	E008	01/16/2025	Selenium, total	0.0006 U	mg/L
APW14	Compliance	E008	01/16/2025	Specific Conductance @ 25C (field)	2,370	micromhos/cm
APW14	Compliance	E008	01/16/2025	Sulfate, total	349	mg/L
APW14	Compliance	E008	01/16/2025	Temperature	11.5	degrees C
APW14	Compliance	E008	01/16/2025	Thallium, total	0.001 U	mg/L
APW14	Compliance	E008	01/16/2025	Total Dissolved Solids	1,080	mg/L
APW14	Compliance	E008	01/16/2025	Turbidity, field	13.0	NTU
APW15	Compliance	E008	01/20/2025	Antimony, total	0.0004 U	mg/L
APW15	Compliance	E008	01/20/2025	Arsenic, total	0.0242	mg/L
APW15	Compliance	E008	01/20/2025	Barium, total	0.482	mg/L
APW15	Compliance	E008	01/20/2025	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW15	Compliance	E008	01/20/2025	Boron, total	0.139	mg/L
APW15	Compliance	E008	01/20/2025	Cadmium, total	0.0002 U	mg/L
APW15	Compliance	E008	01/20/2025	Calcium, total	90.5	mg/L
APW15	Compliance	E008	01/20/2025	Chloride, total	234	mg/L
APW15	Compliance	E008	01/20/2025	Chromium, total	0.00230	mg/L
APW15	Compliance	E008	01/20/2025	Cobalt, total	0.0008 J	mg/L
APW15	Compliance	E008	01/20/2025	Dissolved Oxygen	0.240	mg/L
APW15	Compliance	E008	01/20/2025	Fluoride, total	0.36 J	mg/L
APW15	Compliance	E008	01/20/2025	Lead, total	0.0009 J	mg/L
APW15	Compliance	E008	01/20/2025	Lithium, total	0.00630	mg/L
APW15	Compliance	E008	01/20/2025	Mercury, total	0.00006 U	mg/L
APW15	Compliance	E008	01/20/2025	Molybdenum, total	0.00340	mg/L
APW15	Compliance	E008	01/20/2025	Oxidation Reduction Potential	-155	mV
APW15	Compliance	E008	01/20/2025	pH (field)	6.9	SU
APW15	Compliance	E008	01/20/2025	Radium 226 + Radium 228, total	5.11	pCi/L
APW15	Compliance	E008	01/20/2025	Selenium, total	0.0006 U	mg/L
APW15	Compliance	E008	01/20/2025	Specific Conductance @ 25C (field)	2,900	micromhos/cm
APW15	Compliance	E008	01/20/2025	Sulfate, total	3 U	mg/L
APW15	Compliance	E008	01/20/2025	Temperature	12.4	degrees C
APW15	Compliance	E008	01/20/2025	Thallium, total	0.001 U	mg/L
APW15	Compliance	E008	01/20/2025	Total Dissolved Solids	1,020	mg/L
APW15	Compliance	E008	01/20/2025	Turbidity, field	36.0	NTU
APW16	Compliance	E008	01/14/2025	Antimony, total	0.0004 U	mg/L
APW16	Compliance	E008	01/14/2025	Arsenic, total	0.0226	mg/L
APW16	Compliance	E008	01/14/2025	Barium, total	0.475	mg/L
APW16	Compliance	E008	01/14/2025	Beryllium, total	0.0002 U	mg/L
APW16	Compliance	E008	01/14/2025	Boron, total	0.133	mg/L
APW16	Compliance	E008	01/14/2025	Cadmium, total	0.0002 U	mg/L
APW16	Compliance	E008	01/14/2025	Calcium, total	87.6	mg/L
APW16	Compliance	E008	01/14/2025	Chloride, total	64.4	mg/L
APW16	Compliance	E008	01/14/2025	Chromium, total	0.0009 J	mg/L
APW16	Compliance	E008	01/14/2025	Cobalt, total	0.0003 J	mg/L
APW16	Compliance	E008	01/14/2025	Dissolved Oxygen	1.09	mg/L
APW16	Compliance	E008	01/14/2025	Fluoride, total	0.720	mg/L
APW16	Compliance	E008	01/14/2025	Lead, total	0.00100	mg/L
APW16	Compliance	E008	01/14/2025	Lithium, total	0.00340	mg/L
APW16	Compliance	E008	01/14/2025	Mercury, total	0.00006 U	mg/L
APW16	Compliance	E008	01/14/2025	Molybdenum, total	0.0006 U	mg/L
APW16	Compliance	E008	01/14/2025	Oxidation Reduction Potential	-126	mV
APW16	Compliance	E008	01/14/2025	pH (field)	7.2	SU
APW16	Compliance	E008	01/14/2025	Radium 226 + Radium 228, total	2.84	pCi/L
APW16	Compliance	E008	01/14/2025	Selenium, total	0.0006 U	mg/L
APW16	Compliance	E008	01/14/2025	Specific Conductance @ 25C (field)	2,160	micromhos/cm
APW16	Compliance	E008	01/14/2025	Sulfate, total	3 U	mg/L
APW16	Compliance	E008	01/14/2025	Temperature	11.9	degrees C
APW16	Compliance	E008	01/14/2025	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW16	Compliance	E008	01/14/2025	Total Dissolved Solids	730	mg/L
APW16	Compliance	E008	01/14/2025	Turbidity, field	36.0	NTU
APW17	Compliance	E008	01/13/2025	Antimony, total	0.0004 U	mg/L
APW17	Compliance	E008	01/13/2025	Arsenic, total	0.0159	mg/L
APW17	Compliance	E008	01/13/2025	Barium, total	0.478	mg/L
APW17	Compliance	E008	01/13/2025	Beryllium, total	0.0002 U	mg/L
APW17	Compliance	E008	01/13/2025	Boron, total	0.0857	mg/L
APW17	Compliance	E008	01/13/2025	Cadmium, total	0.0002 U	mg/L
APW17	Compliance	E008	01/13/2025	Calcium, total	103	mg/L
APW17	Compliance	E008	01/13/2025	Chloride, total	50.5	mg/L
APW17	Compliance	E008	01/13/2025	Chromium, total	0.0007 U	mg/L
APW17	Compliance	E008	01/13/2025	Cobalt, total	0.0001 U	mg/L
APW17	Compliance	E008	01/13/2025	Dissolved Oxygen	0.610	mg/L
APW17	Compliance	E008	01/13/2025	Fluoride, total	0.48 J	mg/L
APW17	Compliance	E008	01/13/2025	Lead, total	0.00230	mg/L
APW17	Compliance	E008	01/13/2025	Lithium, total	0.0027 J	mg/L
APW17	Compliance	E008	01/13/2025	Mercury, total	0.00006 U	mg/L
APW17	Compliance	E008	01/13/2025	Molybdenum, total	0.00500	mg/L
APW17	Compliance	E008	01/13/2025	Oxidation Reduction Potential	1.00	mV
APW17	Compliance	E008	01/13/2025	pH (field)	7.6	SU
APW17	Compliance	E008	01/13/2025	Radium 226 + Radium 228, total	1.72	pCi/L
APW17	Compliance	E008	01/13/2025	Selenium, total	0.0006 U	mg/L
APW17	Compliance	E008	01/13/2025	Specific Conductance @ 25C (field)	617	micromhos/cm
APW17	Compliance	E008	01/13/2025	Sulfate, total	64.7	mg/L
APW17	Compliance	E008	01/13/2025	Temperature	11.6	degrees C
APW17	Compliance	E008	01/13/2025	Thallium, total	0.001 U	mg/L
APW17	Compliance	E008	01/13/2025	Total Dissolved Solids	736	mg/L
APW17	Compliance	E008	01/13/2025	Turbidity, field	15.0	NTU
APW18	Compliance	E008	01/13/2025	Antimony, total	0.0004 U	mg/L
APW18	Compliance	E008	01/13/2025	Arsenic, total	0.00180	mg/L
APW18	Compliance	E008	01/13/2025	Barium, total	0.329	mg/L
APW18	Compliance	E008	01/13/2025	Beryllium, total	0.0002 U	mg/L
APW18	Compliance	E008	01/13/2025	Boron, total	0.111	mg/L
APW18	Compliance	E008	01/13/2025	Cadmium, total	0.0002 U	mg/L
APW18	Compliance	E008	01/13/2025	Calcium, total	85.8	mg/L
APW18	Compliance	E008	01/13/2025	Chloride, total	22.4	mg/L
APW18	Compliance	E008	01/13/2025	Chromium, total	0.0007 U	mg/L
APW18	Compliance	E008	01/13/2025	Cobalt, total	0.0003 J	mg/L
APW18	Compliance	E008	01/13/2025	Dissolved Oxygen	0.490	mg/L
APW18	Compliance	E008	01/13/2025	Fluoride, total	0.530	mg/L
APW18	Compliance	E008	01/13/2025	Lead, total	0.0006 U	mg/L
APW18	Compliance	E008	01/13/2025	Lithium, total	0.00650	mg/L
APW18	Compliance	E008	01/13/2025	Mercury, total	0.00006 U	mg/L
APW18	Compliance	E008	01/13/2025	Molybdenum, total	0.00340	mg/L
APW18	Compliance	E008	01/13/2025	Oxidation Reduction Potential	-96.0	mV
APW18	Compliance	E008	01/13/2025	pH (field)	7.8	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025

845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW18	Compliance	E008	01/13/2025	Radium 226 + Radium 228, total	0.916	pCi/L
APW18	Compliance	E008	01/13/2025	Selenium, total	0.0006 U	mg/L
APW18	Compliance	E008	01/13/2025	Specific Conductance @ 25C (field)	501	micromhos/cm
APW18	Compliance	E008	01/13/2025	Sulfate, total	40.9	mg/L
APW18	Compliance	E008	01/13/2025	Temperature	12.4	degrees C
APW18	Compliance	E008	01/13/2025	Thallium, total	0.001 U	mg/L
APW18	Compliance	E008	01/13/2025	Total Dissolved Solids	570	mg/L
APW18	Compliance	E008	01/13/2025	Turbidity, field	23.0	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E008 = Quarter 1, 2025 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

- NR¹ = Parameter not analyzed.
- NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
- NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
- NS³ = The location was not accessible; therefore, a sample was not collected.
- NS⁴ = The location could not be found; therefore, a sample was not collected.
- NS⁵ = The location was damaged; therefore, a sample was not collected.
- NS⁶ = Sampling pump could not yield a sample.
- NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
- NS⁸ = A sample was not collected.
- PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

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

- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW02	UD	E008	Antimony, total	mg/L	02/17/21 - 01/14/25	17	94	CB around T-S line	0.000109	0.006	Standard	No Exceedance
APW02	UD	E008	Arsenic, total	mg/L	02/17/21 - 01/14/25	17	82	CI around median	0.001	0.0590	Background	No Exceedance
APW02	UD	E008	Barium, total	mg/L	02/17/21 - 01/14/25	17	0	CI around geomean	0.00929	2.0	Standard	No Exceedance
APW02	UD	E008	Beryllium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW02	UD	E008	Boron, total	mg/L	02/17/21 - 01/14/25	17	0	CI around geomean	0.0947	2	Standard	No Exceedance
APW02	UD	E008	Cadmium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW02	UD	E008	Chloride, total	mg/L	02/17/21 - 01/14/25	17	0	CI around mean	93.9	200	Standard	No Exceedance
APW02	UD	E008	Chromium, total	mg/L	02/17/21 - 01/14/25	17	82	CB around T-S line	0.000539	0.1	Standard	No Exceedance
APW02	UD	E008	Cobalt, total	mg/L	02/17/21 - 01/14/25	17	88	CB around T-S line	0.000626	0.006	Standard	No Exceedance
APW02	UD	E008	Fluoride, total	mg/L	02/17/21 - 01/14/25	17	71	CI around median	0.22	4.0	Standard	No Exceedance
APW02	UD	E008	Lead, total	mg/L	02/17/21 - 01/14/25	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
APW02	UD	E008	Lithium, total	mg/L	02/17/21 - 01/14/25	17	0	CI around geomean	0.0953	0.04	Standard	Exceedance
APW02	UD	E008	Mercury, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW02	UD	E008	Molybdenum, total	mg/L	02/17/21 - 01/14/25	16	50	CB around linear reg	0.00155	0.1	Standard	No Exceedance
APW02	UD	E008	pH (field)	SU	02/17/21 - 01/14/25	23	0	CI around median	6.6/6.8	6.4/9.0	Background/Standard	No Exceedance
APW02	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/14/25	16	0	CI around mean	0.319	6.90	Background	No Exceedance
APW02	UD	E008	Selenium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW02	UD	E008	Sulfate, total	mg/L	02/17/21 - 01/14/25	17	0	CI around median	2,900	400	Standard	Exceedance
APW02	UD	E008	Thallium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW02	UD	E008	Total Dissolved Solids	mg/L	02/17/21 - 01/14/25	23	0	CI around median	4,800	1,200	Standard	Exceedance
APW03	UD	E008	Antimony, total	mg/L	02/18/21 - 01/16/25	17	94	CB around T-S line	0.000122	0.006	Standard	No Exceedance
APW03	UD	E008	Arsenic, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.0590	Background	No Exceedance
APW03	UD	E008	Barium, total	mg/L	02/18/21 - 01/16/25	17	0	CB around linear reg	0.092	2.0	Standard	No Exceedance
APW03	UD	E008	Beryllium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW03	UD	E008	Boron, total	mg/L	02/18/21 - 01/16/25	17	0	CI around geomean	0.395	2	Standard	No Exceedance
APW03	UD	E008	Cadmium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW03	UD	E008	Chloride, total	mg/L	02/18/21 - 01/16/25	17	0	CI around mean	7.85	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW03	UD	E008	Chromium, total	mg/L	02/18/21 - 01/16/25	17	76	CB around T-S line	0.000674	0.1	Standard	No Exceedance
APW03	UD	E008	Cobalt, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW03	UD	E008	Fluoride, total	mg/L	02/18/21 - 01/16/25	17	65	CI around median	0.24	4.0	Standard	No Exceedance
APW03	UD	E008	Lead, total	mg/L	02/18/21 - 01/16/25	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
APW03	UD	E008	Lithium, total	mg/L	02/18/21 - 01/16/25	17	24	CB around linear reg	0.00388	0.04	Standard	No Exceedance
APW03	UD	E008	Mercury, total	mg/L	02/18/21 - 01/16/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
APW03	UD	E008	Molybdenum, total	mg/L	02/18/21 - 01/16/25	16	44	CI around mean	0.00114	0.1	Standard	No Exceedance
APW03	UD	E008	pH (field)	SU	02/18/21 - 01/16/25	23	0	CI around mean	6.8/7.1	6.4/9.0	Background/Standard	No Exceedance
APW03	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/16/25	16	0	CI around geomean	0.223	6.90	Background	No Exceedance
APW03	UD	E008	Selenium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW03	UD	E008	Sulfate, total	mg/L	02/18/21 - 01/16/25	17	0	CB around linear reg	79.7	400	Standard	No Exceedance
APW03	UD	E008	Thallium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW03	UD	E008	Total Dissolved Solids	mg/L	02/18/21 - 01/16/25	23	0	CI around mean	622	1,200	Standard	No Exceedance
APW04	UD	E008	Antimony, total	mg/L	02/18/21 - 01/15/25	17	94	CB around T-S line	0.0000786	0.006	Standard	No Exceedance
APW04	UD	E008	Arsenic, total	mg/L	02/18/21 - 01/15/25	17	59	CI around median	0.001	0.0590	Background	No Exceedance
APW04	UD	E008	Barium, total	mg/L	02/18/21 - 01/15/25	17	0	CI around mean	0.0186	2.0	Standard	No Exceedance
APW04	UD	E008	Beryllium, total	mg/L	02/18/21 - 01/15/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW04	UD	E008	Boron, total	mg/L	02/18/21 - 01/15/25	17	6	CI around median	0.024	2	Standard	No Exceedance
APW04	UD	E008	Cadmium, total	mg/L	02/18/21 - 01/15/25	17	94	CI around median	0.001	0.005	Standard	No Exceedance
APW04	UD	E008	Chloride, total	mg/L	02/18/21 - 01/15/25	17	0	CI around mean	31.2	200	Standard	No Exceedance
APW04	UD	E008	Chromium, total	mg/L	02/18/21 - 01/15/25	17	76	CB around T-S line	0.00147	0.1	Standard	No Exceedance
APW04	UD	E008	Cobalt, total	mg/L	02/18/21 - 01/15/25	17	94	CB around T-S line	0.00051	0.006	Standard	No Exceedance
APW04	UD	E008	Fluoride, total	mg/L	02/18/21 - 01/15/25	17	71	CI around median	0.2	4.0	Standard	No Exceedance
APW04	UD	E008	Lead, total	mg/L	02/18/21 - 01/15/25	17	76	CI around median	0.001	0.0075	Standard	No Exceedance
APW04	UD	E008	Lithium, total	mg/L	02/18/21 - 01/15/25	17	18	CI around median	0.021	0.04	Standard	No Exceedance
APW04	UD	E008	Mercury, total	mg/L	02/18/21 - 01/15/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
APW04	UD	E008	Molybdenum, total	mg/L	02/18/21 - 01/15/25	16	88	CB around T-S line	0.001	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW04	UD	E008	pH (field)	SU	02/18/21 - 01/15/25	23	0	CI around median	6.7/6.9	6.4/9.0	Background/Standard	No Exceedance
APW04	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/15/25	16	0	CI around mean	0.241	6.90	Background	No Exceedance
APW04	UD	E008	Selenium, total	mg/L	02/18/21 - 01/15/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW04	UD	E008	Sulfate, total	mg/L	02/18/21 - 01/15/25	17	0	CB around T-S line	566	400	Standard	Exceedance
APW04	UD	E008	Thallium, total	mg/L	02/18/21 - 01/15/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW04	UD	E008	Total Dissolved Solids	mg/L	02/18/21 - 01/15/25	23	0	CI around median	1,700	1,200	Standard	Exceedance
APW05S	UD	E008	Antimony, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW05S	UD	E008	Arsenic, total	mg/L	02/17/21 - 01/15/25	16	50	CI around median	0.001	0.0590	Background	No Exceedance
APW05S	UD	E008	Barium, total	mg/L	02/17/21 - 01/15/25	16	0	CB around T-S line	0.0183	2.0	Standard	No Exceedance
APW05S	UD	E008	Beryllium, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW05S	UD	E008	Boron, total	mg/L	02/17/21 - 01/15/25	16	0	CI around median	0.039	2	Standard	No Exceedance
APW05S	UD	E008	Cadmium, total	mg/L	02/17/21 - 01/15/25	16	94	CI around median	0.001	0.005	Standard	No Exceedance
APW05S	UD	E008	Chloride, total	mg/L	02/17/21 - 01/15/25	16	0	CB around T-S line	-8.16	200	Standard	No Exceedance
APW05S	UD	E008	Chromium, total	mg/L	02/17/21 - 01/15/25	16	81	CB around T-S line	0.000245	0.1	Standard	No Exceedance
APW05S	UD	E008	Cobalt, total	mg/L	02/17/21 - 01/15/25	16	44	CB around T-S line	-0.00107	0.006	Standard	No Exceedance
APW05S	UD	E008	Fluoride, total	mg/L	02/17/21 - 01/15/25	16	12	CI around mean	0.332	4.0	Standard	No Exceedance
APW05S	UD	E008	Lead, total	mg/L	02/17/21 - 01/15/25	16	94	CI around median	0.001	0.0075	Standard	No Exceedance
APW05S	UD	E008	Lithium, total	mg/L	02/17/21 - 01/15/25	16	0	CI around median	0.0366	0.04	Standard	No Exceedance
APW05S	UD	E008	Mercury, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW05S	UD	E008	Molybdenum, total	mg/L	02/17/21 - 01/15/25	15	40	CI around median	0.0013	0.1	Standard	No Exceedance
APW05S	UD	E008	pH (field)	SU	02/17/21 - 01/15/25	16	0	CI around mean	6.6/6.9	6.4/9.0	Background/Standard	No Exceedance
APW05S	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/15/25	15	0	CI around geomean	0.249	6.90	Background	No Exceedance
APW05S	UD	E008	Selenium, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW05S	UD	E008	Sulfate, total	mg/L	02/17/21 - 01/15/25	16	0	CI around median	1,700	400	Standard	Exceedance
APW05S	UD	E008	Thallium, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW05S	UD	E008	Total Dissolved Solids	mg/L	02/17/21 - 01/15/25	16	0	CI around mean	3,330	1,200	Standard	Exceedance
APW07	UA	E008	Antimony, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW07	UA	E008	Arsenic, total	mg/L	12/15/15 - 01/20/25	19	0	CB around linear reg	0.011	0.0590	Background	No Exceedance
APW07	UA	E008	Barium, total	mg/L	12/15/15 - 01/20/25	19	0	CB around T-S line	0.45	2.0	Standard	No Exceedance
APW07	UA	E008	Beryllium, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW07	UA	E008	Boron, total	mg/L	12/15/15 - 01/20/25	29	0	CI around median	0.0769	2	Standard	No Exceedance
APW07	UA	E008	Cadmium, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW07	UA	E008	Chloride, total	mg/L	12/15/15 - 01/20/25	32	0	CB around T-S line	55.2	200	Standard	No Exceedance
APW07	UA	E008	Chromium, total	mg/L	12/15/15 - 01/20/25	19	53	CI around median	0.0031	0.1	Standard	No Exceedance
APW07	UA	E008	Cobalt, total	mg/L	12/15/15 - 01/20/25	18	78	CI around median	0.001	0.006	Standard	No Exceedance
APW07	UA	E008	Fluoride, total	mg/L	12/15/15 - 01/20/25	29	10	CI around mean	0.36	4.0	Standard	No Exceedance
APW07	UA	E008	Lead, total	mg/L	12/15/15 - 01/20/25	19	63	CI around median	0.001	0.0075	Standard	No Exceedance
APW07	UA	E008	Lithium, total	mg/L	12/15/15 - 01/20/25	19	68	CI around median	0.0042	0.04	Standard	No Exceedance
APW07	UA	E008	Mercury, total	mg/L	12/15/15 - 01/20/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW07	UA	E008	Molybdenum, total	mg/L	12/15/15 - 01/20/25	18	0	CI around mean	0.00299	0.1	Standard	No Exceedance
APW07	UA	E008	pH (field)	SU	12/15/15 - 01/20/25	31	0	CI around mean	7.2/7.3	6.4/9.0	Background/Standard	No Exceedance
APW07	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/20/25	19	0	CI around mean	1.46	6.90	Background	No Exceedance
APW07	UA	E008	Selenium, total	mg/L	12/15/15 - 01/20/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW07	UA	E008	Sulfate, total	mg/L	12/15/15 - 01/20/25	30	13	CB around T-S line	13.9	400	Standard	No Exceedance
APW07	UA	E008	Thallium, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW07	UA	E008	Total Dissolved Solids	mg/L	12/15/15 - 01/20/25	29	0	CB around T-S line	556	1,200	Standard	No Exceedance
APW08	UA	E008	Antimony, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW08	UA	E008	Arsenic, total	mg/L	12/15/15 - 01/14/25	19	0	CB around linear reg	0.0213	0.0590	Background	No Exceedance
APW08	UA	E008	Barium, total	mg/L	12/15/15 - 01/14/25	19	0	CB around T-S line	0.455	2.0	Standard	No Exceedance
APW08	UA	E008	Beryllium, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW08	UA	E008	Boron, total	mg/L	12/15/15 - 01/14/25	29	0	CI around median	0.083	2	Standard	No Exceedance
APW08	UA	E008	Cadmium, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW08	UA	E008	Chloride, total	mg/L	12/15/15 - 01/14/25	31	0	CI around mean	55	200	Standard	No Exceedance
APW08	UA	E008	Chromium, total	mg/L	12/15/15 - 01/14/25	19	53	CI around median	0.0037	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW08	UA	E008	Cobalt, total	mg/L	12/15/15 - 01/14/25	18	67	CI around median	0.001	0.006	Standard	No Exceedance
APW08	UA	E008	Fluoride, total	mg/L	12/15/15 - 01/14/25	29	14	CI around median	0.393	4.0	Standard	No Exceedance
APW08	UA	E008	Lead, total	mg/L	12/15/15 - 01/14/25	19	58	CI around median	0.001	0.0075	Standard	No Exceedance
APW08	UA	E008	Lithium, total	mg/L	12/15/15 - 01/14/25	19	58	CI around median	0.0035	0.04	Standard	No Exceedance
APW08	UA	E008	Mercury, total	mg/L	12/15/15 - 01/14/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW08	UA	E008	Molybdenum, total	mg/L	12/15/15 - 01/14/25	18	0	CI around mean	0.00473	0.1	Standard	No Exceedance
APW08	UA	E008	pH (field)	SU	12/15/15 - 01/14/25	32	0	CI around mean	7.2/7.4	6.4/9.0	Background/Standard	No Exceedance
APW08	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/14/25	19	0	CI around geomean	0.924	6.90	Background	No Exceedance
APW08	UA	E008	Selenium, total	mg/L	12/15/15 - 01/14/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
APW08	UA	E008	Sulfate, total	mg/L	12/15/15 - 01/14/25	31	0	CB around linear reg	50.3	400	Standard	No Exceedance
APW08	UA	E008	Thallium, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW08	UA	E008	Total Dissolved Solids	mg/L	12/15/15 - 01/14/25	29	0	CB around linear reg	609	1,200	Standard	No Exceedance
APW09	UA	E008	Antimony, total	mg/L	12/15/15 - 01/16/25	18	94	CB around T-S line	0.000658	0.006	Standard	No Exceedance
APW09	UA	E008	Arsenic, total	mg/L	12/15/15 - 01/16/25	19	0	CB around linear reg	0.0248	0.0590	Background	No Exceedance
APW09	UA	E008	Barium, total	mg/L	12/15/15 - 01/16/25	19	0	CI around mean	0.34	2.0	Standard	No Exceedance
APW09	UA	E008	Beryllium, total	mg/L	12/15/15 - 01/16/25	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW09	UA	E008	Boron, total	mg/L	12/15/15 - 01/16/25	29	0	CB around linear reg	0.098	2	Standard	No Exceedance
APW09	UA	E008	Cadmium, total	mg/L	12/15/15 - 01/16/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW09	UA	E008	Chloride, total	mg/L	12/15/15 - 01/16/25	31	0	CB around T-S line	127	200	Standard	No Exceedance
APW09	UA	E008	Chromium, total	mg/L	12/15/15 - 01/16/25	19	63	CI around median	0.0018	0.1	Standard	No Exceedance
APW09	UA	E008	Cobalt, total	mg/L	12/15/15 - 01/16/25	18	89	CB around T-S line	0.000819	0.006	Standard	No Exceedance
APW09	UA	E008	Fluoride, total	mg/L	12/15/15 - 01/16/25	30	10	CB around linear reg	0.264	4.0	Standard	No Exceedance
APW09	UA	E008	Lead, total	mg/L	12/15/15 - 01/16/25	19	58	CI around median	0.001	0.0075	Standard	No Exceedance
APW09	UA	E008	Lithium, total	mg/L	12/15/15 - 01/16/25	19	63	CI around median	0.0088	0.04	Standard	No Exceedance
APW09	UA	E008	Mercury, total	mg/L	12/15/15 - 01/16/25	19	90	CI around median	0.0002	0.002	Standard	No Exceedance
APW09	UA	E008	Molybdenum, total	mg/L	12/15/15 - 01/16/25	18	0	CB around linear reg	-0.00209	0.1	Standard	No Exceedance
APW09	UA	E008	pH (field)	SU	12/15/15 - 01/16/25	31	0	CI around median	7.4/7.5	6.4/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW09	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/16/25	19	0	CI around geomean	0.995	6.90	Background	No Exceedance
APW09	UA	E008	Selenium, total	mg/L	12/15/15 - 01/16/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
APW09	UA	E008	Sulfate, total	mg/L	12/15/15 - 01/16/25	31	13	CI around geomean	5.81	400	Standard	No Exceedance
APW09	UA	E008	Thallium, total	mg/L	12/15/15 - 01/16/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW09	UA	E008	Total Dissolved Solids	mg/L	12/15/15 - 01/16/25	30	0	CB around T-S line	797	1,200	Standard	No Exceedance
APW10	UA	E008	Antimony, total	mg/L	12/16/15 - 01/15/25	20	95	CB around T-S line	0.000645	0.006	Standard	No Exceedance
APW10	UA	E008	Arsenic, total	mg/L	12/16/15 - 01/15/25	21	5	CI around mean	0.0064	0.0590	Background	No Exceedance
APW10	UA	E008	Barium, total	mg/L	12/16/15 - 01/15/25	21	0	CI around mean	0.0289	2.0	Standard	No Exceedance
APW10	UA	E008	Beryllium, total	mg/L	12/16/15 - 01/15/25	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW10	UA	E008	Boron, total	mg/L	12/16/15 - 01/15/25	31	0	CI around median	0.0702	2	Standard	No Exceedance
APW10	UA	E008	Cadmium, total	mg/L	12/16/15 - 01/15/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW10	UA	E008	Chloride, total	mg/L	12/16/15 - 01/15/25	32	0	CB around linear reg	40.6	200	Standard	No Exceedance
APW10	UA	E008	Chromium, total	mg/L	12/16/15 - 01/15/25	21	81	CB around T-S line	0.00188	0.1	Standard	No Exceedance
APW10	UA	E008	Cobalt, total	mg/L	12/16/15 - 01/15/25	20	90	CB around T-S line	0.000838	0.006	Standard	No Exceedance
APW10	UA	E008	Fluoride, total	mg/L	12/16/15 - 01/15/25	31	23	CI around mean	0.262	4.0	Standard	No Exceedance
APW10	UA	E008	Lead, total	mg/L	12/16/15 - 01/15/25	21	86	CI around median	0.001	0.0075	Standard	No Exceedance
APW10	UA	E008	Lithium, total	mg/L	12/16/15 - 01/15/25	21	5	CI around mean	0.0202	0.04	Standard	No Exceedance
APW10	UA	E008	Mercury, total	mg/L	12/16/15 - 01/15/25	21	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW10	UA	E008	Molybdenum, total	mg/L	12/16/15 - 01/15/25	20	5	CB around T-S line	0.00407	0.1	Standard	No Exceedance
APW10	UA	E008	pH (field)	SU	12/16/15 - 01/15/25	34	0	CI around mean	7.1/7.2	6.4/9.0	Background/Standard	No Exceedance
APW10	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 01/15/25	21	0	CI around geomean	0.389	6.90	Background	No Exceedance
APW10	UA	E008	Selenium, total	mg/L	12/16/15 - 01/15/25	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW10	UA	E008	Sulfate, total	mg/L	12/16/15 - 01/15/25	33	0	CI around median	410	400	Standard	Exceedance
APW10	UA	E008	Thallium, total	mg/L	12/16/15 - 01/15/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW10	UA	E008	Total Dissolved Solids	mg/L	12/16/15 - 01/15/25	33	0	CB around T-S line	1,040	1,200	Standard	No Exceedance
APW11	UA	E008	Antimony, total	mg/L	02/18/21 - 01/13/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW11	UA	E008	Arsenic, total	mg/L	02/18/21 - 01/13/25	17	0	CI around mean	0.0026	0.0590	Background	No Exceedance

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EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW11	UA	E008	Barium, total	mg/L	02/18/21 - 01/13/25	17	0	CB around T-S line	-0.122	2.0	Standard	No Exceedance
APW11	UA	E008	Beryllium, total	mg/L	02/18/21 - 01/13/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW11	UA	E008	Boron, total	mg/L	02/18/21 - 01/13/25	17	0	CI around median	0.0628	2	Standard	No Exceedance
APW11	UA	E008	Cadmium, total	mg/L	02/18/21 - 01/13/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW11	UA	E008	Chloride, total	mg/L	02/18/21 - 01/13/25	17	0	CB around T-S line	16.4	200	Standard	No Exceedance
APW11	UA	E008	Chromium, total	mg/L	02/18/21 - 01/13/25	17	65	CB around T-S line	-0.00238	0.1	Standard	No Exceedance
APW11	UA	E008	Cobalt, total	mg/L	02/18/21 - 01/13/25	17	71	CB around T-S line	0.000148	0.006	Standard	No Exceedance
APW11	UA	E008	Fluoride, total	mg/L	02/18/21 - 01/13/25	17	41	CB around T-S line	0.266	4.0	Standard	No Exceedance
APW11	UA	E008	Lead, total	mg/L	02/18/21 - 01/13/25	17	59	CI around median	0.001	0.0075	Standard	No Exceedance
APW11	UA	E008	Lithium, total	mg/L	02/18/21 - 01/13/25	17	6	CI around mean	0.02	0.04	Standard	No Exceedance
APW11	UA	E008	Mercury, total	mg/L	02/18/21 - 01/13/25	17	82	CI around median	0.0002	0.002	Standard	No Exceedance
APW11	UA	E008	Molybdenum, total	mg/L	02/18/21 - 01/13/25	16	0	CB around T-S line	-0.00634	0.1	Standard	No Exceedance
APW11	UA	E008	pH (field)	SU	02/18/21 - 01/13/25	17	0	CI around median	7.0/7.3	6.4/9.0	Background/Standard	No Exceedance
APW11	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/13/25	16	0	CI around geomean	0.647	6.90	Background	No Exceedance
APW11	UA	E008	Selenium, total	mg/L	02/18/21 - 01/13/25	17	82	CI around median	0.001	0.05	Standard	No Exceedance
APW11	UA	E008	Sulfate, total	mg/L	02/18/21 - 01/13/25	17	0	CI around median	270	400	Standard	No Exceedance
APW11	UA	E008	Thallium, total	mg/L	02/18/21 - 01/13/25	17	94	CB around T-S line	0.001	0.002	Standard	No Exceedance
APW11	UA	E008	Total Dissolved Solids	mg/L	02/18/21 - 01/13/25	17	0	CI around mean	809	1,200	Standard	No Exceedance
APW12	UD	E008	Antimony, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW12	UD	E008	Arsenic, total	mg/L	02/17/21 - 01/13/25	17	41	CB around linear reg	0.000417	0.0590	Background	No Exceedance
APW12	UD	E008	Barium, total	mg/L	02/17/21 - 01/13/25	17	0	CB around linear reg	0.023	2.0	Standard	No Exceedance
APW12	UD	E008	Beryllium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW12	UD	E008	Boron, total	mg/L	02/17/21 - 01/13/25	17	0	CB around linear reg	0.756	2	Standard	No Exceedance
APW12	UD	E008	Cadmium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW12	UD	E008	Chloride, total	mg/L	02/17/21 - 01/13/25	17	0	CI around mean	23.7	200	Standard	No Exceedance
APW12	UD	E008	Chromium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW12	UD	E008	Cobalt, total	mg/L	02/17/21 - 01/13/25	17	29	CB around linear reg	-0.00156	0.006	Standard	No Exceedance

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EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW12	UD	E008	Fluoride, total	mg/L	02/17/21 - 01/13/25	17	71	CI around median	0.18	4.0	Standard	No Exceedance
APW12	UD	E008	Lead, total	mg/L	02/17/21 - 01/13/25	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
APW12	UD	E008	Lithium, total	mg/L	02/17/21 - 01/13/25	17	0	CI around mean	0.0281	0.04	Standard	No Exceedance
APW12	UD	E008	Mercury, total	mg/L	02/17/21 - 01/13/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
APW12	UD	E008	Molybdenum, total	mg/L	02/17/21 - 01/13/25	16	69	CI around median	0.001	0.1	Standard	No Exceedance
APW12	UD	E008	pH (field)	SU	02/17/21 - 01/13/25	17	0	CI around median	6.3/6.5	6.4/9.0	Background/Standard	No Exceedance
APW12	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/13/25	16	0	CI around mean	0.304	6.90	Background	No Exceedance
APW12	UD	E008	Selenium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW12	UD	E008	Sulfate, total	mg/L	02/17/21 - 01/13/25	17	0	CB around T-S line	407	400	Standard	Exceedance
APW12	UD	E008	Thallium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW12	UD	E008	Total Dissolved Solids	mg/L	02/17/21 - 01/13/25	17	0	CB around linear reg	1,710	1,200	Standard	Exceedance
APW13	UA	E008	Antimony, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E008	Arsenic, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	0.00379	0.0590	Background	No Exceedance
APW13	UA	E008	Barium, total	mg/L	02/22/21 - 01/16/25	17	0	CI around median	0.0505	2.0	Standard	No Exceedance
APW13	UA	E008	Beryllium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW13	UA	E008	Boron, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	0.108	2	Standard	No Exceedance
APW13	UA	E008	Cadmium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW13	UA	E008	Chloride, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	48.6	200	Standard	No Exceedance
APW13	UA	E008	Chromium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW13	UA	E008	Cobalt, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E008	Fluoride, total	mg/L	02/22/21 - 01/16/25	17	18	CI around mean	0.362	4.0	Standard	No Exceedance
APW13	UA	E008	Lead, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW13	UA	E008	Lithium, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	0.0263	0.04	Standard	No Exceedance
APW13	UA	E008	Mercury, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW13	UA	E008	Molybdenum, total	mg/L	02/22/21 - 01/16/25	16	0	CB around linear reg	0.00273	0.1	Standard	No Exceedance
APW13	UA	E008	pH (field)	SU	02/22/21 - 01/16/25	17	0	CI around mean	7.0/7.3	6.4/9.0	Background/Standard	No Exceedance
APW13	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/16/25	16	0	CI around mean	0.409	6.90	Background	No Exceedance

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EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW13	UA	E008	Selenium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW13	UA	E008	Sulfate, total	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	250	400	Standard	No Exceedance
APW13	UA	E008	Thallium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW13	UA	E008	Total Dissolved Solids	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	877	1,200	Standard	No Exceedance
APW14	UA	E008	Antimony, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW14	UA	E008	Arsenic, total	mg/L	02/22/21 - 01/16/25	17	6	CI around mean	0.00529	0.0590	Background	No Exceedance
APW14	UA	E008	Barium, total	mg/L	02/22/21 - 01/16/25	17	6	CB around linear reg	0.0139	2.0	Standard	No Exceedance
APW14	UA	E008	Beryllium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW14	UA	E008	Boron, total	mg/L	02/22/21 - 01/16/25	17	6	CB around T-S line	0.0183	2	Standard	No Exceedance
APW14	UA	E008	Cadmium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW14	UA	E008	Chloride, total	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	31.9	200	Standard	No Exceedance
APW14	UA	E008	Chromium, total	mg/L	02/22/21 - 01/16/25	17	88	CB around T-S line	0.0000732	0.1	Standard	No Exceedance
APW14	UA	E008	Cobalt, total	mg/L	02/22/21 - 01/16/25	17	94	CB around T-S line	0.000472	0.006	Standard	No Exceedance
APW14	UA	E008	Fluoride, total	mg/L	02/22/21 - 01/16/25	17	29	CI around mean	0.288	4.0	Standard	No Exceedance
APW14	UA	E008	Lead, total	mg/L	02/22/21 - 01/16/25	17	82	CI around median	0.001	0.0075	Standard	No Exceedance
APW14	UA	E008	Lithium, total	mg/L	02/22/21 - 01/16/25	17	18	CB around linear reg	0.00352	0.04	Standard	No Exceedance
APW14	UA	E008	Mercury, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW14	UA	E008	Molybdenum, total	mg/L	02/22/21 - 01/16/25	16	6	CB around linear reg	-0.000113	0.1	Standard	No Exceedance
APW14	UA	E008	pH (field)	SU	02/22/21 - 01/16/25	17	0	CB around T-S line	6.9/7.1	6.4/9.0	Background/Standard	No Exceedance
APW14	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/16/25	16	0	CI around mean	0.496	6.90	Background	No Exceedance
APW14	UA	E008	Selenium, total	mg/L	02/22/21 - 01/16/25	17	94	Most recent sample	0.001	0.05	Standard	No Exceedance
APW14	UA	E008	Sulfate, total	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	358	400	Standard	No Exceedance
APW14	UA	E008	Thallium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW14	UA	E008	Total Dissolved Solids	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	925	1,200	Standard	No Exceedance
APW15	UA	E008	Antimony, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW15	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/20/25	17	0	CB around linear reg	0.025	0.0590	Background	No Exceedance
APW15	UA	E008	Barium, total	mg/L	02/23/21 - 01/20/25	17	0	CI around mean	0.56	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW15	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW15	UA	E008	Boron, total	mg/L	02/23/21 - 01/20/25	17	0	CI around mean	0.125	2	Standard	No Exceedance
APW15	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW15	UA	E008	Chloride, total	mg/L	02/23/21 - 01/20/25	17	0	CI around median	230	200	Standard	Exceedance
APW15	UA	E008	Chromium, total	mg/L	02/23/21 - 01/20/25	17	47	CI around median	0.004	0.1	Standard	No Exceedance
APW15	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/20/25	17	53	CB around T-S line	0.00107	0.006	Standard	No Exceedance
APW15	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/20/25	17	12	CI around geomean	0.455	4.0	Standard	No Exceedance
APW15	UA	E008	Lead, total	mg/L	02/23/21 - 01/20/25	17	35	CI around median	0.001	0.0075	Standard	No Exceedance
APW15	UA	E008	Lithium, total	mg/L	02/23/21 - 01/20/25	17	47	CB around linear reg	0.00133	0.04	Standard	No Exceedance
APW15	UA	E008	Mercury, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW15	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/20/25	16	0	CB around linear reg	0.000606	0.1	Standard	No Exceedance
APW15	UA	E008	pH (field)	SU	02/23/21 - 01/20/25	17	0	CI around mean	7.0/7.2	6.4/9.0	Background/Standard	No Exceedance
APW15	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/20/25	16	0	CI around mean	1.76	6.90	Background	No Exceedance
APW15	UA	E008	Selenium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW15	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/20/25	17	76	CB around T-S line	1	400	Standard	No Exceedance
APW15	UA	E008	Thallium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW15	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/20/25	17	0	CI around median	1,000	1,200	Standard	No Exceedance
APW16	UA	E008	Antimony, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/14/25	17	0	CB around linear reg	0.0222	0.0590	Background	No Exceedance
APW16	UA	E008	Barium, total	mg/L	02/23/21 - 01/14/25	17	0	CB around linear reg	0.477	2.0	Standard	No Exceedance
APW16	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW16	UA	E008	Boron, total	mg/L	02/23/21 - 01/14/25	17	0	CI around mean	0.128	2	Standard	No Exceedance
APW16	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW16	UA	E008	Chloride, total	mg/L	02/23/21 - 01/14/25	17	0	CI around mean	66.2	200	Standard	No Exceedance
APW16	UA	E008	Chromium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW16	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/14/25	17	0	CI around mean	0.663	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW16	UA	E008	Lead, total	mg/L	02/23/21 - 01/14/25	17	94	Most recent sample	0.001	0.0075	Standard	No Exceedance
APW16	UA	E008	Lithium, total	mg/L	02/23/21 - 01/14/25	17	82	CB around T-S line	-0.00502	0.04	Standard	No Exceedance
APW16	UA	E008	Mercury, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW16	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/14/25	16	69	CI around median	0.001	0.1	Standard	No Exceedance
APW16	UA	E008	pH (field)	SU	02/23/21 - 01/14/25	17	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW16	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/14/25	16	0	CI around geomean	1.55	6.90	Background	No Exceedance
APW16	UA	E008	Selenium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW16	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/14/25	17	76	CB around T-S line	1	400	Standard	No Exceedance
APW16	UA	E008	Thallium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW16	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/14/25	17	0	CI around median	705	1,200	Standard	No Exceedance
APW17	UA	E008	Antimony, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/13/25	17	0	CB around linear reg	0.0215	0.0590	Background	No Exceedance
APW17	UA	E008	Barium, total	mg/L	02/23/21 - 01/13/25	17	0	CI around mean	0.561	2.0	Standard	No Exceedance
APW17	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW17	UA	E008	Boron, total	mg/L	02/23/21 - 01/13/25	17	0	CI around geomean	0.0812	2	Standard	No Exceedance
APW17	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW17	UA	E008	Chloride, total	mg/L	02/23/21 - 01/13/25	17	0	CI around median	51	200	Standard	No Exceedance
APW17	UA	E008	Chromium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW17	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/13/25	17	12	CI around mean	0.409	4.0	Standard	No Exceedance
APW17	UA	E008	Lead, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
APW17	UA	E008	Lithium, total	mg/L	02/23/21 - 01/13/25	17	94	CB around T-S line	-0.00507	0.04	Standard	No Exceedance
APW17	UA	E008	Mercury, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW17	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/13/25	16	0	CI around median	0.0048	0.1	Standard	No Exceedance
APW17	UA	E008	pH (field)	SU	02/23/21 - 01/13/25	17	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW17	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/13/25	16	0	CI around mean	1.21	6.90	Background	No Exceedance
APW17	UA	E008	Selenium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW17	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/13/25	17	6	CB around T-S line	62.7	400	Standard	No Exceedance
APW17	UA	E008	Thallium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW17	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/13/25	17	0	CI around mean	646	1,200	Standard	No Exceedance
APW18	UA	E008	Antimony, total	mg/L	02/23/21 - 01/13/25	17	94	CB around T-S line	-0.0000131	0.006	Standard	No Exceedance
APW18	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/13/25	17	6	CI around mean	0.00179	0.0590	Background	No Exceedance
APW18	UA	E008	Barium, total	mg/L	02/23/21 - 01/13/25	17	0	CI around median	0.34	2.0	Standard	No Exceedance
APW18	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.004	Standard	No Exceedance
APW18	UA	E008	Boron, total	mg/L	02/23/21 - 01/13/25	17	0	CI around geomean	0.107	2	Standard	No Exceedance
APW18	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.005	Standard	No Exceedance
APW18	UA	E008	Chloride, total	mg/L	02/23/21 - 01/13/25	17	0	CB around T-S line	-50.8	200	Standard	No Exceedance
APW18	UA	E008	Chromium, total	mg/L	02/23/21 - 01/13/25	17	76	CB around T-S line	-0.00352	0.1	Standard	No Exceedance
APW18	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/13/25	17	82	CB around T-S line	-0.000313	0.006	Standard	No Exceedance
APW18	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/13/25	17	6	CB around linear reg	-3.02	4.0	Standard	No Exceedance
APW18	UA	E008	Lead, total	mg/L	02/23/21 - 01/13/25	17	65	CB around T-S line	-0.00858	0.0075	Standard	No Exceedance
APW18	UA	E008	Lithium, total	mg/L	02/23/21 - 01/13/25	17	59	CB around T-S line	0.000736	0.04	Standard	No Exceedance
APW18	UA	E008	Mercury, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
APW18	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/13/25	16	0	CB around T-S line	-0.0339	0.1	Standard	No Exceedance
APW18	UA	E008	pH (field)	SU	02/23/21 - 01/13/25	17	0	CI around mean	7.5/7.8	6.4/9.0	Background/Standard	No Exceedance
APW18	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/13/25	16	0	CI around mean	1.37	6.90	Background	No Exceedance
APW18	UA	E008	Selenium, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.05	Standard	No Exceedance
APW18	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/13/25	17	12	CI around median	2.2	400	Standard	No Exceedance
APW18	UA	E008	Thallium, total	mg/L	02/23/21 - 01/13/25	17	88	CB around T-S line	0.001	0.002	Standard	No Exceedance
APW18	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/13/25	17	0	CI around median	520	1,200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

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 Illinois Power Generating Company’s (IPGC’s) operating permit application for the Primary Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

UD = Upper Drift

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



- COMPLIANCE WELL
- BACKGROUND WELL
- STAFF GAUGE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 500 1,000 Feet

MONITORING WELL LOCATION MAP

PRIMARY ASH POND
NEWTON POWER PLANT
NEWTON, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

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

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW02	Compliance	01/08/2025	4.22	529.34
APW03	Compliance	01/08/2025	5.99	526.46
APW04	Compliance	01/08/2025	4.92	520.33
APW05	Background	01/08/2025	14.39	529.96
APW05S	Compliance	01/08/2025	10.55	533.97
APW06	Background	01/08/2025	19.47	526.96
APW07	Compliance	01/08/2025	47.28	491.13
APW08	Compliance	01/08/2025	38.17	491.17
APW09	Compliance	01/08/2025	26.91	504.98
APW10	Compliance	01/08/2025	18.21	506.42
APW11	Compliance	01/08/2025	24.79	514.40
APW12	Compliance	01/08/2025	14.80	532.14
APW13	Compliance	01/08/2025	33.05	505.43
APW14	Compliance	01/08/2025	21.43	505.48
APW15	Compliance	01/08/2025	21.56	503.77
APW16	Compliance	01/08/2025	40.72	491.16
APW17	Compliance	01/08/2025	41.79	491.13
APW18	Compliance	01/08/2025	52.35	491.33
XSG01	Water Level	01/08/2025	6.10	534.29
SG02	Water Level	01/08/2025	5.01	501.00

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

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

February 20, 2025

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: NEW-25Q1

WorkOrder: 24121807

Dear Eric Bauer:

TEKLAB, INC received 25 samples for NEW_845_501 on 1/20/2025 3:20:00 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: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	33
Quality Control Results	34
Receiving Check List	122
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

Cooler Receipt Temp: 1.7 °C

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

Date/time of measurement for depth, only, wells per SAR-3 and SAR-4. EAH 1/21/25

APW06 collection time per field file. EAH 1/24/25

Collection times updated per field file where not matching the COC. EAH 1/27/25

Per Eric Bauer's request, only NEW_845_501 data is included in this report. EAH 2/20/25

Locations

Collinsville

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Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

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Accreditations

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	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	8/31/2025	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		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-004
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW02
Collection Date: 01/14/2025 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.41	ft	1	01/14/2025 11:50	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	01/14/2025 11:50	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		31	mV	1	01/14/2025 11:50	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		5610	µS/cm	1	01/14/2025 11:50	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		7.9	°C	1	01/14/2025 11:50	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.02	mg/L	1	01/14/2025 11:50	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.62		1	01/14/2025 11:50	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		422	mg/L	1	01/15/2025 13:24	R358853
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/15/2025 13:24	R358853
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		4800	mg/L	2.5	01/16/2025 16:51	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/15/2025 19:54	R358850
Chloride	NELAP	1.00	5.00		71.1	mg/L	10	01/15/2025 19:54	R358850
Sulfate	NELAP	3.00	10.0		2890	mg/L	10	01/15/2025 19:54	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		382	mg/L	1	01/16/2025 15:39	233454
Magnesium	NELAP	0.006	0.050		345	mg/L	1	01/16/2025 15:39	233454
Potassium	NELAP	0.040	0.100		4.47	mg/L	1	01/16/2025 15:39	233454
Sodium	NELAP	0.018	0.050		431	mg/L	1	01/16/2025 15:39	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/17/2025 21:42	233454
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	01/17/2025 21:42	233454
Barium	NELAP	0.7	1.0		6.4	µg/L	5	01/16/2025 21:03	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 21:42	233454
Boron	NELAP	9.2	25.0		43.0	µg/L	5	01/16/2025 21:03	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 21:42	233454
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	01/16/2025 21:03	233454
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/16/2025 21:03	233454
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 21:03	233454
Lithium	*	1.4	3.0		72.1	µg/L	5	01/17/2025 21:42	233454
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	01/17/2025 21:42	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 21:03	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 21:03	233454
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 9:55	233455



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-005
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW03
Collection Date: 01/16/2025 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.04	ft	1	01/16/2025 10:03	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.0	NTU	1	01/16/2025 10:03	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-69	mV	1	01/16/2025 10:03	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		354	µS/cm	1	01/16/2025 10:03	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		9.8	°C	1	01/16/2025 10:03	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.92	mg/L	1	01/16/2025 10:03	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.88		1	01/16/2025 10:03	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		419	mg/L	1	01/20/2025 11:11	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 11:11	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		620	mg/L	1	01/16/2025 16:53	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/17/2025 22:27	R358964
Chloride	NELAP	1.00	5.00		7.77	mg/L	10	01/17/2025 22:27	R358964
Sulfate	NELAP	3.00	10.0		94.7	mg/L	10	01/17/2025 22:27	R358964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		103	mg/L	1	01/17/2025 15:47	233524
Magnesium	NELAP	0.006	0.050		55.4	mg/L	1	01/17/2025 15:47	233524
Potassium	NELAP	0.040	0.100		0.477	mg/L	1	01/17/2025 15:47	233524
Sodium	NELAP	0.018	0.050		68.1	mg/L	1	01/17/2025 15:47	233524
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 5:38	233524
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	01/18/2025 5:38	233524
Barium	NELAP	0.7	1.0		113	µg/L	5	01/18/2025 5:38	233524
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:38	233524
Boron	NELAP	9.2	25.0		412	µg/L	5	01/18/2025 5:38	233524
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:38	233524
Chromium	NELAP	0.7	1.5	J	1.3	µg/L	5	01/18/2025 5:38	233524
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	01/18/2025 5:38	233524
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:38	233524
Lithium	*	1.4	3.0		11.6	µg/L	5	01/18/2025 5:38	233524
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/18/2025 5:38	233524
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:38	233524
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 5:38	233524
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:17	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

Lab ID: 24121807-006

Client Sample ID: APW04

Matrix: GROUNDWATER

Collection Date: 01/15/2025 12:30

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	01/15/2025 12:30	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.5	NTU	1	01/15/2025 12:30	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		132	mV	1	01/15/2025 12:30	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2910	µS/cm	1	01/15/2025 12:30	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		7.8	°C	1	01/15/2025 12:30	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.03	mg/L	1	01/15/2025 12:30	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.66		1	01/15/2025 12:30	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		184	mg/L	1	01/20/2025 12:27	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 12:27	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1780	mg/L	1	01/16/2025 16:43	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/20/2025 9:47	R359000
Chloride	NELAP	1.00	5.00		32.3	mg/L	10	01/20/2025 9:47	R359000
Sulfate	NELAP	3.00	10.0		815	mg/L	10	01/20/2025 9:47	R359000
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		217	mg/L	1	01/17/2025 9:39	233501
Magnesium	NELAP	0.006	0.050		171	mg/L	1	01/17/2025 9:39	233501
Potassium	NELAP	0.040	0.100		1.57	mg/L	1	01/17/2025 9:39	233501
Sodium	NELAP	0.018	0.050		93.0	mg/L	1	01/17/2025 9:39	233501
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 5:32	233501
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	01/18/2025 5:32	233501
Barium	NELAP	0.7	1.0		18.2	µg/L	5	01/18/2025 5:32	233501
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:32	233501
Boron	NELAP	9.2	25.0		29.9	µg/L	5	01/18/2025 5:32	233501
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:32	233501
Chromium	NELAP	0.7	1.5	J	1.3	µg/L	5	01/18/2025 5:32	233501
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	01/18/2025 5:32	233501
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:32	233501
Lithium	*	1.4	3.0		25.4	µg/L	5	01/18/2025 5:32	233501
Molybdenum	NELAP	0.6	1.5	J	0.7	µg/L	5	01/18/2025 5:32	233501
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:32	233501
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 5:32	233501
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/17/2025 15:26	233525



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

Lab ID: 24121807-007

Client Sample ID: APW05

Matrix: GROUNDWATER

Collection Date: 01/15/2025 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		14.29	ft	1	01/15/2025 11:41	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	01/15/2025 11:41	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		84	mV	1	01/15/2025 11:41	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1560	µS/cm	1	01/15/2025 11:41	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		9.2	°C	1	01/15/2025 11:41	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		5.71	mg/L	1	01/15/2025 11:41	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.46		1	01/15/2025 11:41	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		431	mg/L	1	01/20/2025 12:20	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 12:20	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		562	mg/L	1	01/16/2025 16:43	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.41	mg/L	10	01/20/2025 9:59	R359000
Chloride	NELAP	1.00	5.00		45.0	mg/L	10	01/20/2025 9:59	R359000
Sulfate	NELAP	3.0	10	J	5.8	mg/L	10	01/20/2025 9:59	R359000
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		50.0	mg/L	1	01/17/2025 11:37	233523
Magnesium	NELAP	0.006	0.050		28.2	mg/L	1	01/17/2025 11:37	233523
Potassium	NELAP	0.040	0.100		2.97	mg/L	1	01/17/2025 11:37	233523
Sodium	NELAP	0.018	0.050		145	mg/L	1	01/17/2025 11:37	233523
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.6	µg/L	5	01/18/2025 2:02	233523
Arsenic	NELAP	0.4	1.0		4.6	µg/L	5	01/18/2025 2:02	233523
Barium	NELAP	0.7	1.0		220	µg/L	5	01/18/2025 2:02	233523
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 2:02	233523
Boron	NELAP	9.2	25.0		113	µg/L	5	01/18/2025 2:02	233523
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 2:02	233523
Chromium	NELAP	0.7	1.5	J	1.2	µg/L	5	01/18/2025 2:02	233523
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/18/2025 2:02	233523
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 2:02	233523
Lithium	*	1.4	3.0		11.0	µg/L	5	01/18/2025 2:02	233523
Molybdenum	NELAP	0.6	1.5		18.0	µg/L	5	01/18/2025 2:02	233523
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 2:02	233523
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 2:02	233523
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:19	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-008
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW05S
Collection Date: 01/15/2025 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.98	ft	1	01/15/2025 10:51	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.8	NTU	1	01/15/2025 10:51	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		97	mV	1	01/15/2025 10:51	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4300	µS/cm	1	01/15/2025 10:51	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		5.7	°C	1	01/15/2025 10:51	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.14	mg/L	1	01/15/2025 10:51	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.68		1	01/15/2025 10:51	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		533	mg/L	1	01/20/2025 12:12	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 12:12	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3470	mg/L	1	01/16/2025 16:43	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.34	mg/L	10	01/20/2025 10:10	R359000
Chloride	NELAP	1.00	5.00		136	mg/L	10	01/20/2025 10:10	R359000
Sulfate	NELAP	3.00	10.0		1860	mg/L	10	01/20/2025 10:10	R359000
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		401	mg/L	1	01/17/2025 11:38	233523
Magnesium	NELAP	0.006	0.050		302	mg/L	1	01/17/2025 11:38	233523
Potassium	NELAP	0.040	0.100		2.21	mg/L	1	01/17/2025 11:38	233523
Sodium	NELAP	0.018	0.050		281	mg/L	1	01/17/2025 11:38	233523
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 2:08	233523
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	01/18/2025 2:08	233523
Barium	NELAP	0.7	1.0		27.0	µg/L	5	01/18/2025 2:08	233523
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 2:08	233523
Boron	NELAP	9.2	25.0		44.3	µg/L	5	01/18/2025 2:08	233523
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 2:08	233523
Chromium	NELAP	0.7	1.5	J	1.1	µg/L	5	01/18/2025 2:08	233523
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	01/18/2025 2:08	233523
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 2:08	233523
Lithium	*	1.4	3.0		42.3	µg/L	5	01/18/2025 2:08	233523
Molybdenum	NELAP	0.6	1.5	J	1.2	µg/L	5	01/18/2025 2:08	233523
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 2:08	233523
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 2:08	233523
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:22	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

Lab ID: 24121807-009

Client Sample ID: APW06

Matrix: GROUNDWATER

Collection Date: 01/15/2025 13:57

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	01/15/2025 13:57	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		47	NTU	1	01/15/2025 13:57	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-128	mV	1	01/15/2025 13:57	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		415	µS/cm	1	01/15/2025 13:57	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.1	°C	1	01/15/2025 13:57	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.61	mg/L	1	01/15/2025 13:57	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.70		1	01/15/2025 13:57	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		432	mg/L	1	01/20/2025 12:05	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 12:05	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		486	mg/L	1	01/16/2025 16:43	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.48	mg/L	10	01/20/2025 10:22	R359000
Chloride	NELAP	1.00	5.00		21.4	mg/L	10	01/20/2025 10:22	R359000
Sulfate	NELAP	3.0	10	J	3.5	mg/L	10	01/20/2025 10:22	R359000
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		60.8	mg/L	1	01/17/2025 11:40	233523
Magnesium	NELAP	0.006	0.050		27.3	mg/L	1	01/17/2025 11:40	233523
Potassium	NELAP	0.040	0.100		1.41	mg/L	1	01/17/2025 11:40	233523
Sodium	NELAP	0.018	0.050		113	mg/L	1	01/17/2025 11:40	233523
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 3:41	233523
Arsenic	NELAP	0.4	1.0		10.3	µg/L	5	01/18/2025 3:41	233523
Barium	NELAP	0.7	1.0		250	µg/L	5	01/18/2025 3:41	233523
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 3:41	233523
Boron	NELAP	9.2	25.0		76.7	µg/L	5	01/18/2025 3:41	233523
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 3:41	233523
Chromium	NELAP	0.7	1.5	J	1.1	µg/L	5	01/18/2025 3:41	233523
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	01/18/2025 3:41	233523
Lead	NELAP	0.6	1.0		1.6	µg/L	5	01/18/2025 3:41	233523
Lithium	*	1.4	3.0		11.3	µg/L	5	01/18/2025 3:41	233523
Molybdenum	NELAP	0.6	1.5		8.1	µg/L	5	01/18/2025 3:41	233523
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 3:41	233523
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 3:41	233523
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:28	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-010
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW07
Collection Date: 01/20/2025 12:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		47.42	ft	1	01/20/2025 12:07	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		150	NTU	1	01/20/2025 12:07	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		66	mV	1	01/20/2025 12:07	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		993	µS/cm	1	01/20/2025 12:07	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.2	°C	1	01/20/2025 12:07	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.72	mg/L	1	01/20/2025 12:07	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.12		1	01/20/2025 12:07	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		478	mg/L	1	01/21/2025 11:37	R359114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/21/2025 11:37	R359114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		715	mg/L	2.5	01/22/2025 17:37	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.40	mg/L	10	01/21/2025 12:24	R359077
Chloride	NELAP	1.00	5.00		59.5	mg/L	10	01/21/2025 12:24	R359077
Sulfate	NELAP	3.00	10.0		14.8	mg/L	10	01/21/2025 12:24	R359077
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		97.0	mg/L	1	01/21/2025 10:35	233671
Magnesium	NELAP	0.006	0.050		37.8	mg/L	1	01/21/2025 10:35	233671
Potassium	NELAP	0.040	0.100		2.68	mg/L	1	01/21/2025 10:35	233671
Sodium	NELAP	0.018	0.050		96.5	mg/L	1	01/21/2025 10:35	233671
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/22/2025 12:38	233671
Arsenic	NELAP	0.4	1.0		13.7	µg/L	5	01/22/2025 12:38	233671
Barium	NELAP	0.7	1.0		446	µg/L	5	01/22/2025 12:38	233671
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/21/2025 13:31	233671
Boron	NELAP	9.2	25.0		94.3	µg/L	5	01/21/2025 13:31	233671
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/22/2025 12:38	233671
Chromium	NELAP	0.7	1.5		5.9	µg/L	5	01/22/2025 12:38	233671
Cobalt	NELAP	0.1	1.0		1.5	µg/L	5	01/22/2025 12:38	233671
Lead	NELAP	0.6	1.0		2.8	µg/L	5	01/21/2025 13:31	233671
Lithium	*	1.4	3.0		6.0	µg/L	5	01/21/2025 13:31	233671
Molybdenum	NELAP	0.6	1.5		2.3	µg/L	5	01/22/2025 12:38	233671
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/23/2025 8:52	233671
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/22/2025 12:38	233671
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/22/2025 14:32	233700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-011
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW08
Collection Date: 01/14/2025 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		37.98	ft	1	01/14/2025 13:18	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		59	NTU	1	01/14/2025 13:18	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-43	mV	1	01/14/2025 13:18	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1940	µS/cm	1	01/14/2025 13:18	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.9	°C	1	01/14/2025 13:18	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.27	mg/L	1	01/14/2025 13:18	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.09		1	01/14/2025 13:18	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		491	mg/L	1	01/15/2025 13:09	R358853
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/15/2025 13:09	R358853
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		641	mg/L	1.67	01/15/2025 16:55	R358922
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.42	mg/L	10	01/15/2025 20:41	R358850
Chloride	NELAP	1.00	5.00		52.7	mg/L	10	01/15/2025 20:41	R358850
Sulfate	NELAP	3.00	10.0		47.8	mg/L	10	01/15/2025 20:41	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	109	mg/L	1	01/16/2025 15:40	233454
Magnesium	NELAP	0.006	0.050		45.0	mg/L	1	01/16/2025 15:40	233454
Potassium	NELAP	0.040	0.100		3.15	mg/L	1	01/16/2025 15:40	233454
Sodium	NELAP	0.018	0.050		89.7	mg/L	1	01/16/2025 15:40	233454
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	S	< 1.0	µg/L	5	01/17/2025 23:15	233454
Arsenic	NELAP	0.4	1.0		21.4	µg/L	5	01/17/2025 23:15	233454
Barium	NELAP	0.7	1.0		450	µg/L	5	01/16/2025 22:42	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 23:15	233454
Boron	NELAP	9.2	25.0		84.7	µg/L	5	01/17/2025 23:15	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 23:15	233454
Chromium	NELAP	0.7	1.5		10.1	µg/L	5	01/16/2025 22:42	233454
Cobalt	NELAP	0.1	1.0		3.1	µg/L	5	01/16/2025 22:42	233454
Lead	NELAP	0.6	1.0		4.7	µg/L	5	01/16/2025 22:42	233454
Lithium	*	1.4	3.0		7.9	µg/L	5	01/17/2025 23:15	233454
Molybdenum	NELAP	0.6	1.5		4.6	µg/L	5	01/17/2025 23:15	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 22:42	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 22:42	233454

Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-011
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW08
Collection Date: 01/14/2025 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 10:07	233455



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-012
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW09
Collection Date: 01/16/2025 9:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		26.82	ft	1	01/16/2025 9:36	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.9	NTU	1	01/16/2025 9:36	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-153	mV	1	01/16/2025 9:36	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		484	µS/cm	1	01/16/2025 9:36	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.0	°C	1	01/16/2025 9:36	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.48	mg/L	1	01/16/2025 9:36	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.49		1	01/16/2025 9:36	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		594	mg/L	1	01/20/2025 11:36	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 11:36	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		780	mg/L	1.25	01/16/2025 16:53	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.46	mg/L	10	01/17/2025 22:38	R358964
Chloride	NELAP	1.00	5.00		128	mg/L	10	01/17/2025 22:38	R358964
Sulfate	NELAP	3.00	10.0		14.8	mg/L	10	01/17/2025 22:38	R358964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		87.5	mg/L	1	01/17/2025 15:47	233524
Magnesium	NELAP	0.006	0.050		39.3	mg/L	1	01/17/2025 15:47	233524
Potassium	NELAP	0.040	0.100		2.15	mg/L	1	01/17/2025 15:47	233524
Sodium	NELAP	0.018	0.050		214	mg/L	1	01/17/2025 15:47	233524
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 5:44	233524
Arsenic	NELAP	0.4	1.0		29.0	µg/L	5	01/18/2025 5:44	233524
Barium	NELAP	0.7	1.0		490	µg/L	5	01/18/2025 5:44	233524
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:44	233524
Boron	NELAP	9.2	25.0		110	µg/L	5	01/18/2025 5:44	233524
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:44	233524
Chromium	NELAP	0.7	1.5		1.8	µg/L	5	01/18/2025 5:44	233524
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	01/18/2025 5:44	233524
Lead	NELAP	0.6	1.0		3.4	µg/L	5	01/18/2025 5:44	233524
Lithium	*	1.4	3.0		9.5	µg/L	5	01/18/2025 5:44	233524
Molybdenum	NELAP	0.6	1.5		3.5	µg/L	5	01/18/2025 5:44	233524
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:44	233524
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 5:44	233524
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:31	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

Lab ID: 24121807-013

Client Sample ID: APW10

Matrix: GROUNDWATER

Collection Date: 01/15/2025 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.22	ft	1	01/15/2025 13:08	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		100	NTU	1	01/15/2025 13:08	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		54	mV	1	01/15/2025 13:08	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2440	µS/cm	1	01/15/2025 13:08	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.3	°C	1	01/15/2025 13:08	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.06	mg/L	1	01/15/2025 13:08	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.05		1	01/15/2025 13:08	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		402	mg/L	1	01/20/2025 12:40	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 12:40	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1070	mg/L	1	01/16/2025 16:44	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.22	mg/L	10	01/20/2025 10:34	R359000
Chloride	NELAP	1.00	5.00		41.5	mg/L	10	01/20/2025 10:34	R359000
Sulfate	NELAP	3.00	10.0		391	mg/L	10	01/20/2025 10:34	R359000
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		153	mg/L	1	01/17/2025 11:42	233523
Magnesium	NELAP	0.006	0.050		70.8	mg/L	1	01/17/2025 11:42	233523
Potassium	NELAP	0.040	0.100		1.81	mg/L	1	01/17/2025 11:42	233523
Sodium	NELAP	0.018	0.050		126	mg/L	1	01/17/2025 11:42	233523
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 3:47	233523
Arsenic	NELAP	0.4	1.0		11.5	µg/L	5	01/18/2025 3:47	233523
Barium	NELAP	0.7	1.0		32.6	µg/L	5	01/18/2025 3:47	233523
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 3:47	233523
Boron	NELAP	9.2	25.0		76.9	µg/L	5	01/18/2025 3:47	233523
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 3:47	233523
Chromium	NELAP	0.7	1.5		2.3	µg/L	5	01/18/2025 3:47	233523
Cobalt	NELAP	0.1	1.0	J	0.9	µg/L	5	01/18/2025 3:47	233523
Lead	NELAP	0.6	1.0	J	0.9	µg/L	5	01/18/2025 3:47	233523
Lithium	*	1.4	3.0		23.1	µg/L	5	01/18/2025 3:47	233523
Molybdenum	NELAP	0.6	1.5		7.1	µg/L	5	01/18/2025 3:47	233523
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 3:47	233523
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 3:47	233523
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:38	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-014
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW11
Collection Date: 01/13/2025 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		24.61	ft	1	01/13/2025 11:09	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		37	NTU	1	01/13/2025 11:09	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-17	mV	1	01/13/2025 11:09	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1080	µS/cm	1	01/13/2025 11:09	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.1	°C	1	01/13/2025 11:09	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.75	mg/L	1	01/13/2025 11:09	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.26		1	01/13/2025 11:09	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		399	mg/L	1	01/15/2025 13:01	R358853
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/15/2025 13:01	R358853
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		792	mg/L	1	01/15/2025 16:58	R358922
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.30	mg/L	10	01/15/2025 20:52	R358850
Chloride	NELAP	1.00	5.00		23.9	mg/L	10	01/15/2025 20:52	R358850
Sulfate	NELAP	3.00	10.0		296	mg/L	10	01/15/2025 20:52	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		122	mg/L	1	01/16/2025 15:42	233454
Magnesium	NELAP	0.006	0.050		55.4	mg/L	1	01/16/2025 15:42	233454
Potassium	NELAP	0.040	0.100		1.66	mg/L	1	01/16/2025 15:42	233454
Sodium	NELAP	0.018	0.050		94.2	mg/L	1	01/16/2025 15:42	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/17/2025 22:31	233454
Arsenic	NELAP	0.4	1.0		2.3	µg/L	5	01/17/2025 22:31	233454
Barium	NELAP	0.7	1.0		30.3	µg/L	5	01/16/2025 21:09	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:31	233454
Boron	NELAP	9.2	25.0		55.2	µg/L	5	01/16/2025 21:09	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:31	233454
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/16/2025 21:09	233454
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	01/16/2025 21:09	233454
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 21:09	233454
Lithium	*	1.4	3.0		21.2	µg/L	5	01/17/2025 22:31	233454
Molybdenum	NELAP	0.6	1.5		4.1	µg/L	5	01/17/2025 22:31	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 21:09	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 21:09	233454
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 10:09	233455



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-015
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW12
Collection Date: 01/13/2025 11:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		14.73	ft	1	01/13/2025 11:38	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.5	NTU	1	01/13/2025 11:38	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		9	mV	1	01/13/2025 11:38	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		915	µS/cm	1	01/13/2025 11:38	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		5.7	°C	1	01/13/2025 11:38	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	01/13/2025 11:38	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.55		1	01/13/2025 11:38	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		581	mg/L	1	01/15/2025 13:17	R358853
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/15/2025 13:17	R358853
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1920	mg/L	1	01/15/2025 16:58	R358922
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/15/2025 21:04	R358850
Chloride	NELAP	1.00	5.00		28.4	mg/L	10	01/15/2025 21:04	R358850
Sulfate	NELAP	3.00	10.0		845	mg/L	10	01/15/2025 21:04	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		253	mg/L	1	01/16/2025 15:43	233454
Magnesium	NELAP	0.006	0.050		120	mg/L	1	01/16/2025 15:43	233454
Potassium	NELAP	0.040	0.100		1.28	mg/L	1	01/16/2025 15:43	233454
Sodium	NELAP	0.018	0.050		158	mg/L	1	01/16/2025 15:43	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/17/2025 22:38	233454
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	01/17/2025 22:38	233454
Barium	NELAP	0.7	1.0		30.6	µg/L	5	01/16/2025 21:59	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:38	233454
Boron	NELAP	9.2	25.0		889	µg/L	5	01/17/2025 22:38	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:38	233454
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/16/2025 21:59	233454
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	01/16/2025 21:59	233454
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 21:59	233454
Lithium	*	1.4	3.0		31.0	µg/L	5	01/17/2025 22:38	233454
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/17/2025 22:38	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 21:59	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 21:59	233454
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 10:11	233455

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-016
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW13
Collection Date: 01/16/2025 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		32.70	ft	1	01/16/2025 10:20	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		17	NTU	1	01/16/2025 10:20	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-57	mV	1	01/16/2025 10:20	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2320	µS/cm	1	01/16/2025 10:20	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.5	°C	1	01/16/2025 10:20	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.06	mg/L	1	01/16/2025 10:20	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.89		1	01/16/2025 10:20	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		464	mg/L	1	01/20/2025 10:34	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 10:34	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		974	mg/L	1	01/16/2025 16:52	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.37	mg/L	10	01/17/2025 22:50	R358964
Chloride	NELAP	1.00	5.00		47.3	mg/L	10	01/17/2025 22:50	R358964
Sulfate	NELAP	3.00	10.0		272	mg/L	10	01/17/2025 22:50	R358964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		138	mg/L	1	01/17/2025 15:48	233524
Magnesium	NELAP	0.006	0.050		67.0	mg/L	1	01/17/2025 15:48	233524
Potassium	NELAP	0.040	0.100		2.20	mg/L	1	01/17/2025 15:48	233524
Sodium	NELAP	0.018	0.050		138	mg/L	1	01/17/2025 15:48	233524
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 5:51	233524
Arsenic	NELAP	0.4	1.0		3.6	µg/L	5	01/18/2025 5:51	233524
Barium	NELAP	0.7	1.0		57.8	µg/L	5	01/18/2025 5:51	233524
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:51	233524
Boron	NELAP	9.2	25.0		115	µg/L	5	01/18/2025 5:51	233524
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:51	233524
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/18/2025 5:51	233524
Cobalt	NELAP	0.1	1.0	J	0.1	µg/L	5	01/18/2025 5:51	233524
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:51	233524
Lithium	*	1.4	3.0		26.0	µg/L	5	01/18/2025 5:51	233524
Molybdenum	NELAP	0.6	1.5		6.5	µg/L	5	01/18/2025 5:51	233524
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:51	233524
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 5:51	233524
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:40	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-017
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW14
Collection Date: 01/16/2025 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		21.71	ft	1	01/16/2025 10:47	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	01/16/2025 10:47	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-122	mV	1	01/16/2025 10:47	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2370	µS/cm	1	01/16/2025 10:47	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.5	°C	1	01/16/2025 10:47	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	01/16/2025 10:47	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.04		1	01/16/2025 10:47	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		460	mg/L	1	01/20/2025 11:00	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 11:00	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		1080	mg/L	1.25	01/16/2025 16:52	R358992
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.26	mg/L	10	01/17/2025 23:02	R358964
Chloride	NELAP	1.00	5.00		39.2	mg/L	10	01/17/2025 23:02	R358964
Sulfate	NELAP	3.00	10.0		349	mg/L	10	01/17/2025 23:02	R358964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		152	mg/L	1	01/17/2025 15:49	233524
Magnesium	NELAP	0.006	0.050		70.1	mg/L	1	01/17/2025 15:49	233524
Potassium	NELAP	0.040	0.100		1.91	mg/L	1	01/17/2025 15:49	233524
Sodium	NELAP	0.018	0.050		145	mg/L	1	01/17/2025 15:49	233524
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Boron	NELAP	9.2	25.0		< 25.0	µg/L	5	01/18/2025 6:22	233524
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/18/2025 6:22	233524
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	01/18/2025 6:22	233524
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Lithium	*	1.4	3.0		< 3.0	µg/L	5	01/18/2025 6:22	233524
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/18/2025 6:22	233524
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 6:22	233524
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 6:22	233524
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:42	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-018
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW15
Collection Date: 01/20/2025 11:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		21.48	ft	1	01/20/2025 11:12	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		36	NTU	1	01/20/2025 11:12	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-155	mV	1	01/20/2025 11:12	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2900	µS/cm	1	01/20/2025 11:12	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.4	°C	1	01/20/2025 11:12	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.24	mg/L	1	01/20/2025 11:12	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.89		1	01/20/2025 11:12	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		736	mg/L	1	01/21/2025 12:37	R359114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/21/2025 12:37	R359114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1020	mg/L	2.5	01/22/2025 17:18	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.36	mg/L	10	02/05/2025 8:46	R359867
Chloride	NELAP	1.00	5.00		234	mg/L	10	02/05/2025 8:46	R359867
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	02/05/2025 8:46	R359867
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		90.5	mg/L	1	01/21/2025 10:36	233671
Magnesium	NELAP	0.006	0.050		37.3	mg/L	1	01/21/2025 10:36	233671
Potassium	NELAP	0.040	0.100		3.73	mg/L	1	01/21/2025 10:36	233671
Sodium	NELAP	0.018	0.050		315	mg/L	1	01/21/2025 10:36	233671
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/22/2025 12:44	233671
Arsenic	NELAP	0.4	1.0		24.2	µg/L	5	01/22/2025 12:44	233671
Barium	NELAP	0.7	1.0		482	µg/L	5	01/22/2025 12:44	233671
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/21/2025 13:37	233671
Boron	NELAP	9.2	25.0		139	µg/L	5	01/21/2025 13:37	233671
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/22/2025 12:44	233671
Chromium	NELAP	0.7	1.5		2.3	µg/L	5	01/22/2025 12:44	233671
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	01/22/2025 12:44	233671
Lead	NELAP	0.6	1.0	J	0.9	µg/L	5	01/21/2025 13:37	233671
Lithium	*	1.4	3.0		6.3	µg/L	5	01/21/2025 13:37	233671
Molybdenum	NELAP	0.6	1.5		3.4	µg/L	5	01/22/2025 12:44	233671
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/23/2025 8:58	233671
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/22/2025 12:44	233671
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/22/2025 14:44	233700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-019
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW16
Collection Date: 01/14/2025 13:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		40.61	ft	1	01/14/2025 13:59	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		36	NTU	1	01/14/2025 13:59	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-126	mV	1	01/14/2025 13:59	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2160	µS/cm	1	01/14/2025 13:59	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.9	°C	1	01/14/2025 13:59	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.09	mg/L	1	01/14/2025 13:59	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.19		1	01/14/2025 13:59	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		640	mg/L	1	01/16/2025 8:45	R358917
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/16/2025 8:45	R358917
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		730	mg/L	1	01/15/2025 16:58	R358922
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.72	mg/L	10	01/15/2025 21:39	R358850
Chloride	NELAP	1.00	5.00		64.4	mg/L	10	01/15/2025 21:39	R358850
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	01/15/2025 21:39	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		87.6	mg/L	1	01/16/2025 15:44	233454
Magnesium	NELAP	0.006	0.050		38.8	mg/L	1	01/16/2025 15:44	233454
Potassium	NELAP	0.040	0.100		1.91	mg/L	1	01/16/2025 15:44	233454
Sodium	NELAP	0.018	0.050		130	mg/L	1	01/16/2025 15:44	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/17/2025 22:44	233454
Arsenic	NELAP	0.4	1.0		22.6	µg/L	5	01/17/2025 22:44	233454
Barium	NELAP	0.7	1.0		475	µg/L	5	01/16/2025 22:05	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:44	233454
Boron	NELAP	9.2	25.0		133	µg/L	5	01/17/2025 22:44	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:44	233454
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	01/16/2025 22:05	233454
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	01/16/2025 22:05	233454
Lead	NELAP	0.6	1.0		1.0	µg/L	5	01/16/2025 22:05	233454
Lithium	*	1.4	3.0		3.4	µg/L	5	01/17/2025 22:44	233454
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/17/2025 22:44	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 22:05	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 22:05	233454
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 10:14	233455

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-020
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW17
Collection Date: 01/13/2025 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		41.66	ft	1	01/13/2025 12:54	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		15	NTU	1	01/13/2025 12:54	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		1	mV	1	01/13/2025 12:54	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		617	µS/cm	1	01/13/2025 12:54	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.6	°C	1	01/13/2025 12:54	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.61	mg/L	1	01/13/2025 12:54	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.55		1	01/13/2025 12:54	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		508	mg/L	1	01/16/2025 9:52	R358917
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/16/2025 9:52	R358917
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		736	mg/L	1	01/15/2025 16:59	R358922
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.48	mg/L	10	01/15/2025 21:50	R358850
Chloride	NELAP	1.00	5.00		50.5	mg/L	10	01/15/2025 21:50	R358850
Sulfate	NELAP	3.00	10.0		64.7	mg/L	10	01/15/2025 21:50	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		103	mg/L	1	01/16/2025 15:45	233454
Magnesium	NELAP	0.006	0.050		44.0	mg/L	1	01/16/2025 15:45	233454
Potassium	NELAP	0.040	0.100		1.76	mg/L	1	01/16/2025 15:45	233454
Sodium	NELAP	0.018	0.050		85.7	mg/L	1	01/16/2025 15:45	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/17/2025 22:50	233454
Arsenic	NELAP	0.4	1.0		15.9	µg/L	5	01/17/2025 22:50	233454
Barium	NELAP	0.7	1.0		478	µg/L	5	01/16/2025 22:11	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:50	233454
Boron	NELAP	9.2	25.0		85.7	µg/L	5	01/17/2025 22:50	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:50	233454
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/16/2025 22:11	233454
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/16/2025 22:11	233454
Lead	NELAP	0.6	1.0		2.3	µg/L	5	01/16/2025 22:11	233454
Lithium	*	1.4	3.0	J	2.7	µg/L	5	01/17/2025 22:50	233454
Molybdenum	NELAP	0.6	1.5		5.0	µg/L	5	01/17/2025 22:50	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 22:11	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 22:11	233454
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 10:16	233455



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-021
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW18
Collection Date: 01/13/2025 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		51.52	ft	1	01/13/2025 14:13	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		23	NTU	1	01/13/2025 14:13	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-96	mV	1	01/13/2025 14:13	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		501	µS/cm	1	01/13/2025 14:13	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.4	°C	1	01/13/2025 14:13	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.49	mg/L	1	01/13/2025 14:13	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		7.82		1	01/13/2025 14:13	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		495	mg/L	1	01/16/2025 9:48	R358917
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/16/2025 9:48	R358917
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		570	mg/L	1	01/15/2025 16:59	R358922
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.53	mg/L	10	01/15/2025 22:02	R358850
Chloride	NELAP	1.00	5.00		22.4	mg/L	10	01/15/2025 22:02	R358850
Sulfate	NELAP	3.00	10.0		40.9	mg/L	10	01/15/2025 22:02	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		85.8	mg/L	1	01/17/2025 13:45	233454
Magnesium	NELAP	0.006	0.050		37.8	mg/L	1	01/16/2025 15:49	233454
Potassium	NELAP	0.040	0.100		2.09	mg/L	1	01/16/2025 15:49	233454
Sodium	NELAP	0.018	0.050		108	mg/L	1	01/16/2025 15:49	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/17/2025 22:56	233454
Arsenic	NELAP	0.4	1.0		1.8	µg/L	5	01/17/2025 22:56	233454
Barium	NELAP	0.7	1.0		329	µg/L	5	01/16/2025 22:17	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:56	233454
Boron	NELAP	9.2	25.0		111	µg/L	5	01/17/2025 22:56	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/17/2025 22:56	233454
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/16/2025 22:17	233454
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	01/16/2025 22:17	233454
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 22:17	233454
Lithium	*	1.4	3.0		6.5	µg/L	5	01/17/2025 22:56	233454
Molybdenum	NELAP	0.6	1.5		3.4	µg/L	5	01/17/2025 22:56	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/16/2025 22:17	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/16/2025 22:17	233454
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/16/2025 10:18	233455

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-078
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: SG02
Collection Date: 01/08/2025 13:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.01	ft	1	01/08/2025 13:55	R359336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-079
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: XSG01
Collection Date: 01/08/2025 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.10	ft	1	01/08/2025 12:37	R359336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-080
Matrix: AQUEOUS

Work Order: 24121807
Report Date: 20-Feb-25

Client Sample ID: Field Blank

Collection Date: 01/20/2025 12:20

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		4	mg/L	1	01/21/2025 11:31	R359114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/21/2025 11:31	R359114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	01/23/2025 8:14	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/21/2025 12:01	R359077
Chloride	NELAP	1.00	5.00		ND	mg/L	10	01/21/2025 12:01	R359077
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	01/21/2025 12:01	R359077
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	01/21/2025 10:41	233671
Magnesium	NELAP	0.006	0.050		< 0.050	mg/L	1	01/21/2025 10:41	233671
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	01/21/2025 10:41	233671
Sodium	NELAP	0.018	0.050		0.088	mg/L	1	01/21/2025 10:41	233671
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/22/2025 12:50	233671
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	01/22/2025 12:50	233671
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	01/22/2025 12:50	233671
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/22/2025 12:50	233671
Boron	NELAP	9.2	25.0		< 25.0	µg/L	5	01/22/2025 12:50	233671
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/22/2025 12:50	233671
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/22/2025 12:50	233671
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/22/2025 12:50	233671
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/21/2025 14:51	233671
Lithium	*	1.4	3.0		< 3.0	µg/L	5	01/22/2025 12:50	233671
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/22/2025 12:50	233671
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/23/2025 9:04	233671
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/22/2025 12:50	233671
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/22/2025 14:48	233700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-082
Matrix: GROUNDWATER

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: APW02 Duplicate
Collection Date: 01/14/2025 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.41	ft	1	01/14/2025 11:50	R359336
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	01/14/2025 11:50	R359336
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		31	mV	1	01/14/2025 11:50	R359336
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		5610	µS/cm	1	01/14/2025 11:50	R359336
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		7.9	°C	1	01/14/2025 11:50	R359336
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.02	mg/L	1	01/14/2025 11:50	R359336
SW-846 9040B FIELD									
pH	*	0	1.00		6.62		1	01/14/2025 11:50	R359336
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		521	mg/L	1	01/16/2025 10:54	R358917
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/16/2025 10:54	R358917
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		4110	mg/L	5	01/17/2025 18:24	R359055
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/16/2025 0:22	R358850
Chloride	NELAP	1.00	5.00		70.4	mg/L	10	01/16/2025 0:22	R358850
Sulfate	NELAP	3.00	10.0		2890	mg/L	10	01/16/2025 0:22	R358850
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		455	mg/L	1	01/17/2025 16:02	233454
Magnesium	NELAP	0.006	0.050		366	mg/L	1	01/16/2025 16:00	233454
Potassium	NELAP	0.040	0.100		4.68	mg/L	1	01/16/2025 16:00	233454
Sodium	NELAP	0.018	0.050		456	mg/L	1	01/16/2025 16:00	233454
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 1:55	233454
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	01/18/2025 1:55	233454
Barium	NELAP	0.7	1.0		7.1	µg/L	5	01/17/2025 0:08	233454
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 1:55	233454
Boron	NELAP	9.2	25.0		48.9	µg/L	5	01/18/2025 1:55	233454
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 1:55	233454
Chromium	NELAP	0.7	1.5	J	1.3	µg/L	5	01/17/2025 0:08	233454
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/17/2025 0:08	233454
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/17/2025 0:08	233454
Lithium	*	1.4	3.0		71.9	µg/L	5	01/18/2025 1:55	233454
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	01/18/2025 1:55	233454
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/17/2025 0:08	233454
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/17/2025 0:08	233454
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 13:58	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-089
Matrix: AQUEOUS

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: Equipment Blank 1
Collection Date: 01/15/2025 16:00

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		0	mg/L	1	01/16/2025 11:01	R358917
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/16/2025 11:01	R358917
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	01/17/2025 18:27	R359055
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/16/2025 21:33	R358963
Chloride	NELAP	1.00	5.00		ND	mg/L	10	01/16/2025 21:33	R358963
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	01/16/2025 21:33	R358963
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	0.039	mg/L	1	01/17/2025 11:35	R358955
Magnesium	NELAP	0.006	0.050	J	0.007	mg/L	1	01/17/2025 11:35	R358955
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	01/17/2025 11:35	R358955
Sodium	NELAP	0.018	0.050	J	0.040	mg/L	1	01/17/2025 11:35	R358955
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Boron	NELAP	9.2	25.0		< 25.0	µg/L	5	01/18/2025 5:07	233523
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/18/2025 5:07	233523
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Lithium	*	1.4	3.0		< 3.0	µg/L	5	01/18/2025 5:07	233523
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/18/2025 5:07	233523
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 5:07	233523
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 5:07	233523
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 14:02	233588



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-090
Matrix: AQUEOUS

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: Equipment Blank 2
Collection Date: 01/20/2025 13:20

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		4	mg/L	1	01/21/2025 11:34	R359114
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/21/2025 11:34	R359114
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		24	mg/L	1	01/23/2025 8:15	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/21/2025 12:13	R359077
Chloride	NELAP	1.00	5.00		ND	mg/L	10	01/21/2025 12:13	R359077
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	01/21/2025 12:13	R359077
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	01/21/2025 11:03	233671
Magnesium	NELAP	0.006	0.050		< 0.050	mg/L	1	01/21/2025 11:03	233671
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	01/21/2025 11:03	233671
Sodium	NELAP	0.018	0.050	J	0.031	mg/L	1	01/21/2025 11:03	233671
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/22/2025 12:56	233671
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	01/22/2025 12:56	233671
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	01/22/2025 12:56	233671
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/22/2025 12:56	233671
Boron	NELAP	9.2	25.0		< 25.0	µg/L	5	01/22/2025 12:56	233671
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/22/2025 12:56	233671
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/22/2025 12:56	233671
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/22/2025 12:56	233671
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/21/2025 16:23	233671
Lithium	*	1.4	3.0		< 3.0	µg/L	5	01/22/2025 12:56	233671
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/22/2025 12:56	233671
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/23/2025 9:10	233671
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/22/2025 12:56	233671
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/22/2025 14:55	233700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121807-091
Matrix: AQUEOUS

Work Order: 24121807
Report Date: 20-Feb-25
Client Sample ID: Equipment Blank 3
Collection Date: 01/16/2025 11:40

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		0	mg/L	1	01/20/2025 13:30	R359037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/20/2025 13:30	R359037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	01/17/2025 18:28	R359055
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/17/2025 22:15	R358964
Chloride	NELAP	1.00	5.00		ND	mg/L	10	01/17/2025 22:15	R358964
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	01/17/2025 22:15	R358964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	01/17/2025 15:51	R358967
Magnesium	NELAP	0.006	0.050	J	0.008	mg/L	1	01/17/2025 15:51	R358967
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	01/17/2025 15:51	R358967
Sodium	NELAP	0.018	0.050	J	0.021	mg/L	1	01/17/2025 15:51	R358967
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Boron	NELAP	9.2	25.0		< 25.0	µg/L	5	01/18/2025 6:40	233524
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	01/18/2025 6:40	233524
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Lithium	*	1.4	3.0		< 3.0	µg/L	5	01/18/2025 6:40	233524
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	01/18/2025 6:40	233524
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	01/18/2025 6:40	233524
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	01/18/2025 6:40	233524
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	01/20/2025 14:05	233588



Sample Summary

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

Client: Ramboll
Client Project: NEW-25Q1

Work Order: 24121807
Report Date: 20-Feb-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24121807-004	APW02	Groundwater	4	01/14/2025 11:50
24121807-005	APW03	Groundwater	4	01/16/2025 10:03
24121807-006	APW04	Groundwater	4	01/15/2025 12:30
24121807-007	APW05	Groundwater	3	01/15/2025 11:41
24121807-008	APW05S	Groundwater	3	01/15/2025 10:51
24121807-009	APW06	Groundwater	3	01/15/2025 13:57
24121807-010	APW07	Groundwater	3	01/20/2025 12:07
24121807-011	APW08	Groundwater	3	01/14/2025 13:18
24121807-012	APW09	Groundwater	3	01/16/2025 9:36
24121807-013	APW10	Groundwater	3	01/15/2025 13:08
24121807-014	APW11	Groundwater	3	01/13/2025 11:09
24121807-015	APW12	Groundwater	3	01/13/2025 11:38
24121807-016	APW13	Groundwater	3	01/16/2025 10:20
24121807-017	APW14	Groundwater	3	01/16/2025 10:47
24121807-018	APW15	Groundwater	3	01/20/2025 11:12
24121807-019	APW16	Groundwater	3	01/14/2025 13:59
24121807-020	APW17	Groundwater	3	01/13/2025 12:54
24121807-021	APW18	Groundwater	3	01/13/2025 14:13
24121807-078	SG02	Groundwater	1	01/08/2025 13:55
24121807-079	XSG01	Groundwater	1	01/08/2025 12:37
24121807-080	Field Blank	Aqueous	10	01/20/2025 12:20
24121807-082	APW02 Duplicate	Groundwater	4	01/14/2025 11:50
24121807-089	Equipment Blank 1	Aqueous	10	01/15/2025 16:00
24121807-090	Equipment Blank 2	Aqueous	10	01/20/2025 13:20
24121807-091	Equipment Blank 3	Aqueous	10	01/16/2025 11:40



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2510 B FIELD

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

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	99.9	90	110	01/09/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	01/09/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-1-TC

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	01/09/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	01/13/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	01/13/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/13/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	01/14/2025

Batch R359336 SampType: LCS Units $\mu\text{S/cm}$

SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.2	90	110	01/14/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2510 B FIELD

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/14/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-4-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	01/15/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-4-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	01/15/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-4-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/15/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-5-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/16/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-5-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/16/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-5-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/16/2025	

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-6-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	01/20/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2510 B FIELD

Batch R359336		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-6-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.8	90	110	01/20/2025	

Batch R359336		SampType: LCS		Units μS/cm							
SampID: LCS-6-PY											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	01/20/2025	

SW-846 9040B FIELD

Batch R359336		SampType: LCS		Units							
SampID: LCS-1- JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	01/09/2025	

Batch R359336		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		7.03	7.000	0	100.4	98.57	101.4	01/09/2025	

Batch R359336		SampType: LCS		Units							
SampID: LCS-1-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4	01/09/2025	

Batch R359336		SampType: LCS		Units							
SampID: LCS-2-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	01/13/2025	

Batch R359336		SampType: LCS		Units								
SampID: LCS-2-JC												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	01/13/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 9040B FIELD

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-2-TC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.07	7.000	0	101.0	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-3-BG												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-3-JC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-3-TC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-4-BG												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-4-JC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-4-TC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.05	7.000	0	100.7	98.57	101.4			

Batch R359336		SampType: LCS		Units								Date
SampID: LCS-5-BG												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4			



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 9040B FIELD

Batch R359336		SampType: LCS		Units						
SampID: LCS-5-JC										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	01/16/2025

Batch R359336		SampType: LCS		Units							
SampID: LCS-5-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	01/16/2025	

Batch R359336		SampType: LCS		Units							
SampID: LCS-6-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	01/20/2025	

Batch R359336		SampType: LCS		Units							
SampID: LCS-6-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4	01/20/2025	

Batch R359336		SampType: LCS		Units							
SampID: LCS-6-PY											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4	01/20/2025	

EPA 600 350.1 (DISSOLVED)

Batch R358672		SampType: MS		Units mg/L							Date Analyzed
SampID: 25010430-004DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.70	2.000	0	85.2	90	110		

Batch R358672		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010430-004DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.64	2.000	0	82.2	1.704	3.52	01/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

EPA 600 350.1 (DISSOLVED)

Batch R358672		SampType: MS		Units mg/L							
SampID: 25010537-005DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.85	2.000	0	92.6	90	110	01/10/2025	

Batch R358672		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010537-005DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.87	2.000	0	93.3	1.851	0.74	01/10/2025

Batch R358925		SampType: MS		Units mg/L							
SampID: 24121807-040EMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.74	2.000	0	87.0	90	110	01/15/2025	

Batch R358925		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 24121807-040EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.75	2.000	0	87.7	1.739	0.84	01/15/2025

Batch R358925		SampType: MS		Units mg/L							
SampID: 24121807-067EMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			1.00		22.9	20.00	4.665	91.0	90	110	01/15/2025

Batch R358925		SampType: MSD	Units mg/L				RPD Limit 10				
SampID: 24121807-067EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			1.00		23.0	20.00	4.665	91.7	22.86	0.67	01/15/2025

Batch R358986		SampType: MS		Units mg/L							
SampID: 25011014-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.81	2.000	0.3907	70.8	90	110	01/17/2025	

Batch R358986		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 25011014-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.83	2.000	0.3907	72.1	1.807	1.41	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

EPA 600 350.1 (DISSOLVED)

Batch R358986		SampType: MS		Units mg/L							Date
SampID: 25011014-008EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.72	2.000	0	86.0	90	110	01/17/2025	

Batch R358986		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 25011014-008EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10	S	1.75	2.000	0	87.3	1.721	1.47	01/17/2025		

Batch R359132		SampType: MS		Units mg/L							Date
SampID: 25010827-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20	S	6.54	4.000	3.112	85.6	90	110	01/21/2025	

Batch R359132		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 25010827-001EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.20		6.76	4.000	3.112	91.1	6.535	3.32	01/21/2025		

Batch R359132		SampType: MS		Units mg/L							Date
SampID: 25010981-002EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20		8.22	4.000	4.486	93.4	90	110	01/21/2025	

Batch R359132		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 25010981-002EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.20		8.21	4.000	4.486	93.2	8.220	0.09	01/21/2025		

Batch R359132		SampType: MS		Units mg/L							Date
SampID: 25011143-004EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.65	2.000	0	82.7	90	110	01/21/2025	

Batch R359132		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 25011143-004EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10	S	1.63	2.000	0	81.4	1.654	1.59	01/22/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R358807		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
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	01/13/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/13/2025	

Batch R358807		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		916	1000	0	91.6	90	110	01/13/2025	
Total Dissolved Solids		20		996	1000	0	99.6	90	110	01/13/2025	

Batch R358807		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 25010519-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		24300				24740	1.79	01/13/2025

Batch R358807		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25010537-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		220				222.0	0.90	01/13/2025

Batch R358922		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
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	01/16/2025
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	01/15/2025

Batch R358922		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids			20		966	1000	0	96.6	90	110	01/16/2025
Total Dissolved Solids			20		964	1000	0	96.4	90	110	01/15/2025

Batch R358922		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 25010752-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		1000				960.0	4.08	01/16/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R358992 SampType: MBLK Units mg/L

SampleID: 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	01/16/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/16/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/16/2025

Batch R358992 SampType: LCS Units mg/L

SampleID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		948	1000	0	94.8	90	110	01/16/2025
Total Dissolved Solids		20		930	1000	0	93.0	90	110	01/16/2025
Total Dissolved Solids		20		960	1000	0	96.0	90	110	01/16/2025

Batch R358992 SampType: DUP Units mg/L

RPD Limit 10

SampleID: 24121807-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		4580				4805	4.90	01/16/2025

Batch R358992 SampType: DUP Units mg/L

RPD Limit 10

SampleID: 25010827-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		25		485				470.0	3.14	01/16/2025

Batch R359055 SampType: MBLK Units mg/L

SampleID: 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	01/17/2025

Batch R359055 SampType: LCS Units mg/L

SampleID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		906	1000	0	90.6	90	110	01/17/2025

Batch R359055 SampType: DUP Units mg/L

RPD Limit 10

SampleID: 25011027-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		33		438				424.2	3.10	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R359240 SampType: MBLK Units mg/L
SampleID: 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	01/23/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/23/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/22/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/23/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/23/2025

Batch R359240 SampType: LCS Units mg/L
SampleID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		904	1000	0	90.4	90	110	01/22/2025
Total Dissolved Solids		20		930	1000	0	93.0	90	110	01/23/2025
Total Dissolved Solids		20		956	1000	0	95.6	90	110	01/23/2025
Total Dissolved Solids		20		976	1000	0	97.6	90	110	01/23/2025
Total Dissolved Solids		20		908	1000	0	90.8	90	110	01/23/2025

Batch R359240 SampType: DUP Units mg/L
SampleID: 24121807-075ADUP

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		3950				3960	0.20	01/23/2025

Batch R359240 SampType: DUP Units mg/L
SampleID: 25010181-001ADUP

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		602				626.0	3.91	01/23/2025

Batch R359240 SampType: DUP Units mg/L
SampleID: 25010181-020ADUP

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		672				652.0	3.02	01/23/2025

Batch R359240 SampType: DUP Units mg/L
SampleID: 25010181-050ADUP

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		1930				1922	0.62	01/23/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch **R359926** 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		984	1000	0	98.4	90	110	02/05/2025
Total Dissolved Solids		20		964	1000	0	96.4	90	110	02/05/2025
Total Dissolved Solids		20		970	1000	0	97.0	90	110	02/05/2025

Batch **R359926** SampType: **DUP** Units **mg/L**
SampID: 25010617-032ADUP

RPD Limit **10**

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		156				164.0	5.00	02/05/2025

Batch **R359926** SampType: **DUP** Units **mg/L**
SampID: 25010617-045ADUP

RPD Limit **10**

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		648				622.0	4.09	02/05/2025

Batch **R359926** SampType: **DUP** Units **mg/L**
SampID: 25011232-023ADUP

RPD Limit **10**

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		582				562.0	3.50	02/05/2025

Batch **R359926** SampType: **DUP** Units **mg/L**
SampID: 25011944-001ADUP

RPD Limit **10**

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200	H	28300				29700	4.76	02/05/2025

Batch **R359926** SampType: **DUP** Units **mg/L**
SampID: 25011963-001ADUP

RPD Limit **10**

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		1000	H	26300				27700	5.19	02/05/2025

Batch **R359926** SampType: **DUP** Units **mg/L**
SampID: 25020128-001ADUP

RPD Limit **10**

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		3560				3560	0.00	02/05/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R359926		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020276-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		200		28700				29180	1.66	02/05/2025	

Batch R359926		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25020283-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		840				900.0	6.90	02/05/2025

Batch R360147		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	02/10/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2025	

Batch R360147		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		1030	1000	0	103.4	90	110	02/10/2025
Total Dissolved Solids		20		1000	1000	0	100.0	90	110	02/10/2025
Total Dissolved Solids		20		930	1000	0	93.0	90	110	02/10/2025

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-026ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		658				702.0	6.47	02/10/2025

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-054ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		994				1072	7.55	02/10/2025

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-081ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		510				496.0	2.78	02/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020557-001BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		754				724.0	4.06	02/10/2025	

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R358624		SampType: MS		Units mg/L						
SampID: 25010537-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0.01400	101.0	85	115	01/09/2025

Batch R358624		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25010537-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0.01400	101.0	0.5190	0.00	01/09/2025	

Batch R358624		SampType: MS		Units mg/L							
SampID: 25010537-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0.009000	101.6	85	115	01/09/2025	

Batch R358624		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010537-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.52	0.5000	0.009000	101.2	0.5170	0.39	01/09/2025

Batch R358846		SampType: MS		Units mg/L							
SampID: 24121807-040BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.2	85	115	01/15/2025	

Batch R358846		SampType: MSD		Units mg/L					RPD Limit 10			
SampID: 24121807-040BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	0.05	97.4	0.4910	0.82	01/15/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R358846		SampType: MS		Units mg/L							Date
SampID: 24121807-066BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.4	85	115	01/15/2025	

Batch R358846		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24121807-066BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	96.6	0.4870	0.82	01/15/2025

Batch R358846		SampType: MS		Units mg/L							Date
SampID: 24121807-085BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.6	85	115	01/15/2025	

Batch R358846		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24121807-085BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	97.6	0.4830	1.03	01/15/2025

Batch R358914		SampType: MS		Units mg/L							Date
SampID: 24121807-001DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0.005000	89.6	85	115	01/16/2025	

Batch R358914		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24121807-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.45	0.5000	0.005000	89.2	0.4530	0.44	01/16/2025

Batch R358914		SampType: MS		Units mg/L							Date
SampID: 25010981-003BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.8	85	115	01/16/2025	

Batch R358914		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010981-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	93.8	0.4690	0.00	01/16/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R358914		SampType: MS		Units mg/L						
SampID: 25010981-013BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.6	85	115	01/16/2025

Batch R358914		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010981-013BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.2	0.4730	0.42	01/16/2025	

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R358624		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/09/2025	

Batch R358624		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	94.6	90	110	01/09/2025	

Batch R358624		SampType: MS		Units mg/L							
SampID: 25010453-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.0	85	115	01/09/2025	

Batch R358624		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 25010453-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	98.0	0.4900	0.00	01/09/2025

Batch R358846		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/15/2025	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/15/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R358846		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	98.2	90	110	01/15/2025
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.8	90	110	01/15/2025

Batch R358846		SampType: MS		Units mg/L						
SampID: 25010802-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0.02000	93.4	85	115	01/15/2025

Batch R358846		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010802-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0.02000	93.6	0.4870	0.21	01/15/2025

Batch R358846		SampType: MS		Units mg/L						
SampID: 25010818-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		2.18	2.500	0	87.4	85	115	01/15/2025

Batch R358846		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010818-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.25		2.18	2.500	0	87.0	2.185	0.46	01/15/2025

Batch R358914		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/16/2025
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/16/2025

Batch R358914	SampType: LCS	Units mg/L								
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	95.2	90	110	01/16/2025
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.2	90	110	01/16/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R358914 SampType: MS Units mg/L

SampID: 24121807-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	89.4	85	115	01/16/2025

Batch R358914 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24121807-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	90.2	0.4470	0.89	01/16/2025

Batch R358914 SampType: MS Units mg/L

SampID: 25010852-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	0.83	0.5000	0.3810	90.4	85	115	01/16/2025

Batch R358914 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25010852-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	0.84	0.5000	0.3810	90.8	0.8330	0.24	01/16/2025

Batch R358914 SampType: MS Units mg/L

SampID: 25011027-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.2	85	115	01/16/2025

Batch R358914 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011027-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.4	0.4660	0.21	01/16/2025

Batch R358914 SampType: MS Units mg/L

SampID: 25011028-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	90.4	85	115	01/16/2025

Batch R358914 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011028-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	91.6	0.4520	1.32	01/16/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R359056 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/20/2025
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/20/2025

Batch R359056 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	01/20/2025
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	01/20/2025

Batch R359056 SampType: MS Units mg/L

SampID: 25011177-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	< 0.05	0.5000	0	0	85	115	01/20/2025

Batch R359056 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011177-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	< 0.05	0.5000	0	0	0	0.00	01/20/2025

Batch R359056 SampType: MS Units mg/L

SampID: 25011190-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0.02400	93.6	85	115	01/20/2025

Batch R359056 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011190-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0.02400	93.4	0.4920	0.20	01/20/2025

Batch R359056 SampType: MS Units mg/L

SampID: 25011225-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	0.48	0.5000	0	96.0	85	115	01/20/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R359056		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011225-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	H	0.48	0.5000	0	96.8	0.4800	0.83	01/20/2025

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R358913		SampType: MS		Units mg/L							
SampID: 25010835-005BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.224	0.2500	0	89.6	90	110	01/15/2025

Batch R358913		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010835-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.236	0.2500	0	94.4	0.2240	5.22	01/15/2025

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch	R358663	SampType:	MBLK	Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						01/09/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/09/2025	

Batch R358663		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.479	0.5000	0	95.8	90	110	01/09/2025

Batch R358663		SampType: MS		Units mg/L							
SampID: 25010327-004AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50		35.9	12.50	22.67	105.5	90	110	01/09/2025	

Batch R358663		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010327-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		35.4	12.50	22.67	101.9	35.86	1.27	01/09/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R358663 SampType: MS Units mg/L

SampID: 25010398-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		0.607	0.5000	0.1160	98.2	90	110	01/09/2025

Batch R358663 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25010398-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		0.636	0.5000	0.1160	104.0	0.6070	4.67	01/09/2025

Batch R358663 SampType: MS Units mg/L

SampID: 25010404-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.1	5.000	9.883	103.4	90	110	01/09/2025

Batch R358663 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25010404-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.8	5.000	9.883	98.3	15.06	1.71	01/09/2025

Batch R358663 SampType: MS Units mg/L

SampID: 25010493-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.50	2.500	5.031	98.8	90	110	01/09/2025

Batch R358663 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25010493-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.57	2.500	5.031	101.4	7.501	0.88	01/09/2025

Batch R358663 SampType: MS Units mg/L

SampID: 25010539-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		16.6	5.000	11.47	103.0	90	110	01/09/2025

Batch R358663 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25010539-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		16.7	5.000	11.47	104.7	16.62	0.52	01/09/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R358663		SampType: MS		Units mg/L						
SampID: 25010549-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		4.29	1.250	3.125	93.3	90	110	01/09/2025

Batch R358663		SampType: MSD		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 25010549-001CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)			0.250		4.27	1.250	3.125	91.4	4.291	0.56		

Batch R358913		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)			0.050		< 0.050						01/15/2025
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	01/15/2025

Batch R358913		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.534	0.5000	0	106.8	90	110	01/15/2025

Batch R358913		SampType: MS		Units mg/L							
SampID: 25010725-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		5.00		35.7	25.00	12.07	94.7	90	110	01/15/2025	

Batch R358913		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010725-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			5.00	S	34.2	25.00	12.07	88.4	35.74	4.51	01/15/2025

Batch R358913		SampType: MS		Units mg/L							
SampID: 25010737-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.65	2.500	5.263	95.4	90	110	01/15/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R358913		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25010737-002CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.63	2.500	5.263	94.6	7.649	0.26	01/15/2025	

Batch R358913		SampType: MS		Units mg/L							
SampID: 25010802-001AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		37.5	12.50	24.69	102.2	90	110	01/15/2025	

Batch	R358913	SampType:	MSD	Units mg/L					RPD Limit 10		
SampID: 25010802-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		37.3	12.50	24.69	100.6	37.46	0.53	01/15/2025

Batch R358913		SampType: MS		Units mg/L							
SampID: 25010871-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.664	0.2500	0.4030	104.4	90	110	01/15/2025	

Batch R358913		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25010871-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.671	0.2500	0.4030	107.2	0.6640	1.05	01/15/2025

Batch	R358971	SampType:	MBLK	Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						01/16/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/16/2025	

Batch R358971		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.503	0.5000	0	100.6	90	110	01/16/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R358971		SampType: MS		Units mg/L						
SampID: 25010925-002CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		28.8	12.50	16.68	96.8	90	110	01/16/2025

Batch R358971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010925-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		30.3	12.50	16.68	108.6	28.79	4.98	01/16/2025

Batch R358971		SampType: MS		Units mg/L							
SampID: 25010994-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100	S	1.56	0.5000	1.147	81.8	90	110	01/16/2025	

Batch R358971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010994-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.62	0.5000	1.147	94.6	1.556	4.03	01/16/2025

Batch R358971		SampType: MS		Units mg/L							
SampID: 25011027-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.227	0.2500	0	90.8	85	115	01/16/2025	

Batch R358971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011027-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.227	0.2500	0	90.8	0.2270	0.00	01/16/2025

Batch R358971		SampType: MS		Units mg/L							
SampID: 25011028-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.255	0.2500	0.009000	98.4	85	115	01/16/2025	

Batch R358971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011028-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.241	0.2500	0.009000	92.8	0.2550	5.65	01/16/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R359166		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						01/21/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/21/2025	

Batch R359166		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.477	0.5000	0	95.4	90	110	01/21/2025	

Batch R359166		SampType: MS		Units mg/L							
SampID: 25011009-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.04	0.5000	0.5340	101.6	90	110	01/21/2025	

Batch R359166		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25011009-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.03	0.5000	0.5340	98.4	1.042	1.55	01/21/2025

Batch R359166		SampType: MS		Units mg/L							
SampID: 25011190-002AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50		30.6	12.50	18.34	98.0	90	110	01/21/2025	

Batch R359166		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011190-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		31.4	12.50	18.34	104.8	30.59	2.71	01/21/2025

Batch R359166		SampType: MS		Units mg/L							
SampID: 25011225-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	SH	0.339	0.2500	0	135.6	85	115	01/21/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R359166		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25011225-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050	RH	0.257	0.2500	0	102.8	0.3390	27.52		

Batch R359166		SampType: MS		Units mg/L						
SampID: 25011282-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		12.0	5.000	7.263	95.1	90	110	01/21/2025

Batch R359166		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25011282-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		1.00		12.1	5.000	7.263	95.9	12.02	0.33		
01/21/2025											

Batch R359166		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 25011110-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate (as N)			0.500	H	< 0.500				0	0.00	01/21/2025
Nitrogen, Nitrate-Nitrite (as N)			0.500	H	5.13				5.199	1.32	01/21/2025

SW-846 9012A (TOTAL)

Batch 233382		SampType: MBLK		Units mg/L							
SampID: MBLK 250113 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/14/2025	

Batch 233382		SampType: LCS		Units mg/L							
SampID: LCS 250113 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	102.0	90	110	01/14/2025	

Batch 233382		SampType: MS		Units mg/L							
SampID: 25010443-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.011	0.0250	0	42.6	90	110	01/14/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 9012A (TOTAL)

Batch 233382		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010443-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005	JS	0.003	0.0250	0	12.0	0.01064	0.00	01/14/2025	

Batch 233382		SampType: MS		Units mg/L							
SampID: 25010542-004BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005	S	< 0.005	0.0250	0	0	90	110	01/14/2025	

Batch 233382		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 25010542-004BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide			0.005	S	< 0.005	0.0250	0	0	0	0.00	01/14/2025	

Batch 233382		SampType: MS		Units mg/L							
SampID: 25010653-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025		0.133	0.1250	0.009900	98.7	90	110	01/14/2025	

Batch 233382		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 25010653-001CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide			0.025		0.134	0.1250	0.009900	99.0	0.1333	0.26	01/14/2025	

Batch 233488		SampType: MBLK		Units mg/L							
SampID: MBLK 250115 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/16/2025	

Batch 233488		SampType: LCS		Units mg/L							
SampID: LCS 250115 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.027	0.0250	0	108.2	90	110	01/16/2025	

Batch 233488		SampType: MS		Units mg/L							
SampID: 24121807-032DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	105.6	75	125	01/16/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 9012A (TOTAL)

Batch 233488		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24121807-032DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.027	0.0250	0	106.1	0.02640	0.47	01/16/2025

Batch 233488		SampType: MS		Units mg/L							
SampID: 24121807-049DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.023	0.0250	0	92.6	75	125	01/16/2025	

Batch 233488		SampType: MSD		Units mg/L			RPD Limit 15				
SampID: 24121807-049DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.9	0.02315	9.52	01/16/2025	

Batch 233489		SampType: MBLK		Units mg/L							
SampID: MBLK 250115 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/16/2025	

Batch 233489		SampType: LCS		Units mg/L							
SampID: LCS 250115 TCN2											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.028	0.0250	0	111.4	85	115	01/16/2025	

Batch 233489		SampType: MS		Units mg/L							
SampID: 25010827-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	103.0	75	125	01/16/2025	

Batch 233489		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010827-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.026	0.0250	0	105.9	0.02574	2.81	01/16/2025

Batch 233521		SampType: MBLK		Units mg/L							
SampID: MBLK 250116 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/17/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 9012A (TOTAL)

Batch 233521		SampType: LCS		Units mg/L						
SampID: LCS 250116 TCN1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		0.025	0.0250	0	101.3	90	110	01/17/2025

Batch 233521		SampType: MS		Units mg/L						
SampID: 25010955-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		0.134	0.1250	0.01028	99.4	90	110	01/17/2025

Batch 233521		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010955-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.025		0.129	0.1250	0.01028	95.0	0.1345	4.16	01/17/2025	

Batch 233521		SampType: MS		Units mg/L						
SampID: 25010964-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		0.026	0.0250	0.001935	97.9	90	110	01/17/2025

Batch 233521		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010964-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0.001935	97.4	0.02641	0.44	01/17/2025	

Batch 233600		SampType: MBLK		Units mg/L							
SampID: MBLK 250117 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/20/2025	

Batch 233600		SampType: LCS		Units mg/L							
SampID: LCS 250117 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	99.7	90	110	01/20/2025	

Batch 233712		SampType: MBLK		Units mg/L							
SampID: MBLK 250121 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	01/22/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 9012A (TOTAL)

Batch 233712		SampType: LCS		Units mg/L							
SampID: LCS 250121 TCN2											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.026	0.0250	0	102.9	90	110	01/22/2025	

Batch 233712		SampType: MS		Units mg/L							
SampID: 24121807-029DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.026	0.0250	0	103.3	75	125	01/22/2025	

Batch 233712		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24121807-029DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.005		0.025	0.0250	0	101.6	0.02582	1.58	01/22/2025	

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358666		SampType: MS		Units mg/L						
SampID: 25010537-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.92	10.00	0.4990	94.2	80	120	01/10/2025
Chloride		5.00		191	200.0	4.176	93.6	80	120	01/10/2025
Sulfate		10.0		222	200.0	39.96	91.2	80	120	01/10/2025

Batch R358666		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010537-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.50		9.94	10.00	0.4990	94.4	9.917	0.21	01/10/2025	
Chloride		5.00		192	200.0	4.176	94.0	191.4	0.36	01/10/2025	
Sulfate		10.0		223	200.0	39.96	91.4	222.4	0.12	01/10/2025	

Batch R358850		SampType: MS		Units mg/L						
SampID: 24121807-032BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.68	10.00	0.2510	94.3	80	120	01/15/2025
Chloride		5.00		218	200.0	16.80	100.8	80	120	01/15/2025
Sulfate		10.0		818	200.0	622.5	97.8	80	120	01/15/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358850		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24121807-032BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.72	10.00	0.2510	94.7	9.682	0.38	01/15/2025
Chloride		5.00		219	200.0	16.80	101.3	218.5	0.42	01/15/2025
Sulfate		10.0		830	200.0	622.5	103.6	818.1	1.41	01/15/2025

Batch R358963		SampType: MS		Units mg/L						
SampID: 24121807-006BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10.0		1030	200.0	812.9	106.1	80	120	01/16/2025

Batch R358963		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24121807-006BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10.0		1020	200.0	812.9	105.8	1025	0.06	01/16/2025

Batch R358963		SampType: MS		Units mg/L						
SampID: 24121807-033BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.40	10.00	0	94.0	80	120	01/16/2025
Chloride		5.00		227	200.0	21.30	102.7	80	120	01/16/2025
Sulfate		10.0		2440	200.0	2267	85.3	80	120	01/16/2025

Batch R358963		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24121807-033BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.39	10.00	0	93.9	9.398	0.07	01/16/2025
Chloride		5.00		225	200.0	21.30	102.1	226.8	0.59	01/16/2025
Sulfate		10.0		2440	200.0	2267	84.1	2438	0.10	01/16/2025

Batch R358964		SampType: MS		Units mg/L							
SampID: 24121807-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10.0		285	200.0	95.34	95.0	80	120	01/17/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24121807-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10.0		288	200.0	95.34	96.4	285.4	0.98	01/17/2025

Batch R358964		SampType: MS		Units mg/L							
SampID: 24121807-082BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		100		4850	2000	2819	101.6	80	120	01/18/2025	

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24121807-082BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			100		4850	2000	2819	101.8	4852	0.06	01/18/2025	

Batch R358964		SampType: MS		Units mg/L						
SampID: 25010981-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.25		4.94	5.000	0.4010	90.7	80	120	01/17/2025
Chloride		2.50		101	100.0	1.164	99.5	80	120	01/17/2025
Sulfate		5.00		92.0	100.0	0	92.0	80	120	01/17/2025

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25010981-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.25		4.99	5.000	0.4010	91.8	4.937	1.09	01/17/2025
Chloride		2.50		102	100.0	1.164	100.8	100.7	1.23	01/17/2025
Sulfate		5.00		92.9	100.0	0	92.9	92.04	0.95	01/17/2025

Batch R358964		SampType: MS		Units mg/L						
SampID: 25011014-007BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.38	10.00	0.2900	90.9	80	120	01/17/2025
Chloride		5.00		204	200.0	4.096	100.2	80	120	01/17/2025
Sulfate		10.0		290	200.0	99.68	95.3	80	120	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 25011014-007BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.51	10.00	0.2900	92.2	9.382	1.31		
Chloride		5.00		207	200.0	4.096	101.2	204.5	1.02		
Sulfate		10.0		293	200.0	99.68	96.6	290.2	0.92		

Batch R358964		SampType: MS		Units mg/L						
SampID: 25011014-010BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.59	10.00	0.4960	91.0	80	120	01/17/2025
Chloride		5.00		215	200.0	12.57	101.1	80	120	01/17/2025
Sulfate		10.0		480	200.0	279.5	100.1	80	120	01/17/2025

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011014-010BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.66	10.00	0.4960	91.6	9.591	0.71	01/17/2025
Chloride			5.00		216	200.0	12.57	101.8	214.8	0.57	01/17/2025
Sulfate			10.0		482	200.0	279.5	101.1	479.7	0.42	01/17/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25011232-008BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.3940	99.1	80	120	02/05/2025
Chloride		5.00		253	200.0	52.46	100.4	80	120	02/05/2025
Sulfate		10.0		292	200.0	104.1	93.7	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 25011232-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		10.4	10.00	0.3940	99.7	10.30	0.53		
Chloride		5.00		255	200.0	52.46	101.5	253.3	0.86		
Sulfate		10.0		293	200.0	104.1	94.4	291.6	0.44		



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		SampType: MS		Units mg/L						
SampID: 25011232-020BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.2900	99.8	80	120	02/05/2025
Chloride		5.00		282	200.0	74.87	103.5	80	120	02/05/2025
Sulfate		10.0		264	200.0	76.01	94.1	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-020BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.3	10.00	0.2900	100.1	10.27	0.30	02/05/2025
Chloride			5.00		281	200.0	74.87	103.2	281.9	0.21	02/05/2025
Sulfate			10.0		264	200.0	76.01	94.1	264.3	0.04	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25011232-021BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.4380	98.9	80	120	02/05/2025
Chloride		5.00		230	200.0	31.29	99.5	80	120	02/05/2025
Sulfate		10.0		281	200.0	93.15	94.0	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25011232-021BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.4	10.00	0.4380	99.7	10.33	0.69	
Chloride			5.00		232	200.0	31.29	100.2	230.3	0.59	
Sulfate			10.0		282	200.0	93.15	94.7	281.2	0.46	

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358666		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						01/10/2025	
Chloride		0.50		ND						01/10/2025	
Sulfate		1.00		ND						01/10/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358666		SampType: MBLK		Units mg/L							
SampID: MBLK-233266											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.05		ND						01/10/2025	
Chloride	*	0.50	J	0.13						01/10/2025	
Sulfate	*	1.00		ND						01/10/2025	

Batch R358666		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	95.7	90	110	01/10/2025	
Chloride		0.50		19.0	20.00	0	95.1	90	110	01/10/2025	
Sulfate		1.00		18.2	20.00	0	91.2	90	110	01/10/2025	

Batch R358666		SampType: MS		Units mg/L							
SampID: 25010361-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		50.0		942	1000	0	94.2	80	120	01/10/2025	

Batch R358666		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 25010361-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			50.0		945	1000	0	94.5	942.4	0.29	01/10/2025	

Batch R358666		SampType: MS		Units mg/L							
SampID: 25010519-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		5.00		114	100.0	19.49	94.8	80	120	01/10/2025	
Chloride		50.0		12600	2000	10650	96.3	80	120	01/10/2025	
Sulfate		100		4500	2000	2514	99.2	80	120	01/10/2025	

Batch R358666		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010519-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			5.00		115	100.0	19.49	95.1	114.3	0.26	01/10/2025
Chloride			50.0		12600	2000	10650	95.0	12580	0.20	01/10/2025
Sulfate			100		4500	2000	2514	99.1	4497	0.01	01/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358666 SampType: MS Units mg/L

SampID: 25010571-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.72	10.00	0.4170	93.0	80	120	01/10/2025
Chloride		5.00		520	200.0	313.8	103.3	80	120	01/10/2025
Sulfate		10.0		238	200.0	56.61	90.8	80	120	01/10/2025

Batch R358666 SampType: MSD Units mg/L

RPD Limit 15

SampID: 25010571-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.74	10.00	0.4170	93.2	9.721	0.21	01/10/2025
Chloride		5.00		521	200.0	313.8	103.4	520.4	0.05	01/10/2025
Sulfate		10.0		239	200.0	56.61	91.2	238.3	0.31	01/10/2025

Batch R358850 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						01/15/2025
Chloride		0.50		ND						01/15/2025
Sulfate		1.00		ND						01/15/2025

Batch R358850 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		0.94	1.000	0	94.0	90	110	01/15/2025
Chloride		0.50		20.1	20.00	0	100.4	90	110	01/15/2025
Sulfate		1.00		18.7	20.00	0	93.6	90	110	01/15/2025

Batch R358850 SampType: MS Units mg/L

SampID: 24121807-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.57	10.00	0	95.7	80	120	01/15/2025
Chloride		5.00		234	200.0	28.42	103.0	80	120	01/15/2025
Sulfate		10.0		1050	200.0	845.1	102.2	80	120	01/15/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358850		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24121807-015AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.60	10.00	0	96.0	9.570	0.37		
Chloride		5.00		235	200.0	28.42	103.0	234.4	0.04		
Sulfate		10.0		1050	200.0	845.1	100.5	1050	0.33		

Batch R358850		SampType: MS		Units mg/L						
SampID: 25010725-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.79	10.00	0.4730	93.2	80	120	01/15/2025
Chloride		5.00		953	200.0	732.7	110.2	80	120	01/15/2025
Sulfate		10.0		254	200.0	65.08	94.4	80	120	01/15/2025

Batch R358850		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 25010725-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.82	10.00	0.4730	93.5	9.791	0.33		
Chloride		5.00		958	200.0	732.7	112.8	953.1	0.54		
Sulfate		10.0		256	200.0	65.08	95.4	253.8	0.83		

Batch R358850		SampType: MS		Units mg/L						
SampID: 25010766-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.41	10.00	0	94.1	80	120	01/15/2025
Chloride		5.00		238	200.0	31.37	103.2	80	120	01/15/2025
Sulfate		10.0		216	200.0	30.43	92.8	80	120	01/15/2025

Batch R358850		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25010766-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.50	10.00	0	95.0	9.410	1.00	01/15/2025
Chloride		5.00		238	200.0	31.37	103.5	237.7	0.26	01/15/2025
Sulfate		10.0		217	200.0	30.43	93.1	216.0	0.28	01/15/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358850		SampType: MS		Units mg/L						
SampID: 25010871-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0.6080	94.9	80	120	01/16/2025
Chloride		5.00		650	200.0	424.0	112.9	80	120	01/16/2025
Sulfate		10.0		285	200.0	94.74	95.2	80	120	01/16/2025

Batch R358850		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 25010871-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.1	10.00	0.6080	95.0	10.10	0.14	01/16/2025
Chloride			5.00		647	200.0	424.0	111.6	649.8	0.40	01/16/2025
Sulfate			10.0		284	200.0	94.74	94.9	285.1	0.21	01/16/2025

Batch R358850		SampType: MS		Units mg/L						
SampID: 25010878-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.0	10.00	0.5730	94.3	80	120	01/16/2025
Chloride		5.00		230	200.0	26.47	101.6	80	120	01/16/2025
Sulfate		10.0		343	200.0	152.3	95.2	80	120	01/16/2025

Batch R358850		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25010878-004AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.0	10.00	0.5730	94.7	10.01	0.35	01/16/2025
Chloride		5.00		230	200.0	26.47	101.8	229.6	0.25	01/16/2025
Sulfate		10.0		344	200.0	152.3	95.9	342.8	0.38	01/16/2025

Batch R358963		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						01/16/2025	
Chloride		0.50		ND						01/16/2025	
Sulfate		1.00		ND						01/16/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358963		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		0.92	1.000	0	91.8	90	110	01/16/2025
Chloride		0.50		20.1	20.00	0	100.7	90	110	01/16/2025
Sulfate		1.00		18.4	20.00	0	91.8	90	110	01/16/2025

Batch R358963		SampType: MS		Units mg/L							
SampID: 25010708-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		5.00		92.7	100.0	2.540	90.2	80	120	01/16/2025	

Batch R358963		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010708-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			5.00		93.9	100.0	2.540	91.4	92.70	1.29	01/16/2025

Batch R358963		SampType: MS		Units mg/L						
SampID: 25011027-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.15	10.00	0.2630	88.8	80	120	01/17/2025
Chloride		5.00		246	200.0	42.30	101.9	80	120	01/17/2025
Sulfate		10.0		233	200.0	49.05	91.9	80	120	01/17/2025

Batch R358963		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011027-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.26	10.00	0.2630	90.0	9.146	1.28	01/17/2025
Chloride			5.00		247	200.0	42.30	102.5	246.0	0.49	01/17/2025
Sulfate			10.0		233	200.0	49.05	92.1	232.8	0.21	01/17/2025

Batch R358963		SampType: MS		Units mg/L						
SampID: 25011028-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.26	10.00	0.2860	89.7	80	120	01/17/2025
Chloride		5.00		306	200.0	95.01	105.4	80	120	01/17/2025
Sulfate		10.0		230	200.0	46.26	92.1	80	120	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358963		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011028-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.30	10.00	0.2860	90.2	9.256	0.53	01/17/2025
Chloride		5.00		305	200.0	95.01	105.0	305.8	0.22	01/17/2025
Sulfate		10.0		230	200.0	46.26	92.0	230.4	0.09	01/17/2025

Batch R358964		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						01/17/2025	
Chloride		0.50		ND						01/17/2025	
Sulfate		1.00		ND						01/17/2025	

Batch R358964		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		0.93	1.000	0	93.4	90	110	01/17/2025
Chloride		0.50		20.5	20.00	0	102.6	90	110	01/17/2025
Sulfate		1.00		18.8	20.00	0	94.2	90	110	01/17/2025

Batch R358964		SampType: MS		Units mg/L						
SampID: 25011006-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.59	10.00	0.4690	91.2	80	120	01/18/2025
Chloride		5.00		215	200.0	10.46	102.1	80	120	01/18/2025
Sulfate		10.0		492	200.0	289.5	101.1	80	120	01/18/2025

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011006-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.64	10.00	0.4690	91.7	9.594	0.43	01/18/2025
Chloride		5.00		214	200.0	10.46	101.9	214.7	0.22	01/18/2025
Sulfate		10.0		490	200.0	289.5	100.3	491.7	0.34	01/18/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R358964		SampType: MS		Units mg/L						
SampID: 25011108-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		1.88	2.000	0.1428	86.9	80	120	01/18/2025
Chloride		1.00		51.3	40.00	9.460	104.5	80	120	01/18/2025
Sulfate		2.00		439	40.00	395.2	110.5	80	120	01/18/2025

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011108-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		1.91	2.000	0.1428	88.4	1.881	1.61	01/18/2025
Chloride			1.00		51.9	40.00	9.460	106.0	51.27	1.14	01/18/2025
Sulfate			2.00		439	40.00	395.2	108.2	439.4	0.21	01/18/2025

Batch R358964		SampType: MS		Units mg/L						
SampID: 25011115-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.35	10.00	0	93.5	80	120	01/18/2025
Chloride		5.00		215	200.0	9.821	102.5	80	120	01/18/2025
Sulfate		10.0		579	200.0	370.3	104.5	80	120	01/18/2025

Batch R358964		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011115-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.37	10.00	0	93.7	9.350	0.25	01/18/2025
Chloride			5.00		216	200.0	9.821	102.9	214.8	0.33	01/18/2025
Sulfate			10.0		579	200.0	370.3	104.3	579.3	0.07	01/18/2025

Batch R359000		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						01/20/2025	
Chloride		0.50		ND						01/20/2025	
Sulfate		1.00		ND						01/20/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359000		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		0.95	1.000	0	95.0	90	110	01/20/2025
Chloride		0.50		20.7	20.00	0	103.7	90	110	01/20/2025
Sulfate		1.00		19.0	20.00	0	95.1	90	110	01/20/2025

Batch R359000		SampType: MS		Units mg/L						
SampID: 24121807-086AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.7	10.00	1.368	92.9	80	120	01/20/2025
Chloride		5.00		246	200.0	36.50	104.5	80	120	01/20/2025
Sulfate		10.0		186	200.0	0	93.1	80	120	01/20/2025

Batch R359000		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24121807-086AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.7	10.00	1.368	92.9	10.66	0.02	01/20/2025
Chloride		5.00		246	200.0	36.50	104.8	245.6	0.23	01/20/2025
Sulfate		10.0		187	200.0	0	93.3	186.2	0.27	01/20/2025

Batch R359000		SampType: MS		Units mg/L						
SampID: 25011063-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		2.50		79.7	50.00	33.96	91.5	80	120	01/20/2025
Chloride		25.0		1540	1000	444.5	109.8	80	120	01/20/2025

Batch R359000		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011063-001AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			2.50		80.0	50.00	33.96	92.0	79.72	0.29	01/20/2025
Chloride			25.0		1550	1000	444.5	110.3	1543	0.34	01/20/2025

Batch R359000		SampType: MS		Units mg/L						
SampID: 25011087-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		2.31	2.000	0.4198	94.4	80	120	01/20/2025
Sulfate		2.00		153	40.00	110.6	105.4	80	120	01/20/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359000		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011087-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.31	2.000	0.4198	94.6	2.308	0.12	01/20/2025
Sulfate			2.00		153	40.00	110.6	106.1	152.8	0.17	01/20/2025

Batch R359077		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						01/21/2025
Chloride		0.50		ND						01/21/2025
Sulfate		1.00		ND						01/21/2025

Batch R359077		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		0.90	1.000	0	90.4	90	110	01/21/2025
Chloride		0.50		20.3	20.00	0	101.3	90	110	01/21/2025
Sulfate		1.00		18.6	20.00	0	92.8	90	110	01/21/2025

Batch R359077		SampType: MS		Units mg/L						
SampID: 25011202-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		1.96	2.000	0.1598	90.2	80	120	01/21/2025
Chloride		1.00		51.5	40.00	9.601	104.8	80	120	01/21/2025
Sulfate		2.00		435	40.00	398.2	91.8	80	120	01/21/2025

Batch R359077		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011202-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		1.98	2.000	0.1598	90.8	1.964	0.60	01/21/2025
Chloride		1.00		51.7	40.00	9.601	105.2	51.51	0.37	01/21/2025
Sulfate		2.00		435	40.00	398.2	92.8	434.9	0.09	01/21/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359077		SampType: MS		Units mg/L						
SampID: 25011203-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.23	10.00	0.2050	90.2	80	120	01/21/2025
Chloride		5.00		212	200.0	9.711	101.2	80	120	01/21/2025
Sulfate		10.0		570	200.0	366.0	101.9	80	120	01/21/2025

Batch R359077		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011203-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.28	10.00	0.2050	90.8	9.227	0.58	01/21/2025
Chloride			5.00		214	200.0	9.711	102.0	212.1	0.75	01/21/2025
Sulfate			10.0		576	200.0	366.0	105.0	569.9	1.07	01/21/2025

Batch R359077		SampType: MS		Units mg/L						
SampID: 25011225-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50	S	7.34	10.00	0	73.4	80	120	01/21/2025
Chloride		5.00		319	200.0	102.8	108.3	80	120	01/21/2025
Sulfate		10.0		230	200.0	42.97	93.7	80	120	01/21/2025

Batch R359077		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011225-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50	S	7.28	10.00	0	72.8	7.340	0.79	01/21/2025
Chloride			5.00		319	200.0	102.8	108.1	319.4	0.15	01/21/2025
Sulfate			10.0		230	200.0	42.97	93.5	230.3	0.14	01/21/2025

Batch R359867		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	0.0040	0	0	0	100	02/05/2025	
Chloride		0.50		ND	0.1000	0	0	0	100	02/05/2025	
Sulfate		1.00		ND	0.0990	0	0	0	100	02/05/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		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		0.98	1.000	0	97.6	90	110	02/05/2025
Chloride		0.50		19.5	20.00	0	97.7	90	110	02/05/2025
Sulfate		1.00		18.3	20.00	0	91.7	90	110	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25020211-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.72	10.00	0	97.2	80	120	02/05/2025
Chloride		5.00		197	200.0	3.357	96.6	80	120	02/05/2025
Sulfate		10.0		182	200.0	2.563	89.7	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020211-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.74	10.00	0	97.4	9.723	0.23	02/05/2025
Chloride		5.00		196	200.0	3.357	96.3	196.6	0.36	02/05/2025
Sulfate		10.0		181	200.0	2.563	89.4	182.0	0.36	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25020221-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.78	10.00	0.1710	96.0	80	120	02/05/2025
Chloride		5.00		458	200.0	241.8	107.9	80	120	02/05/2025
Sulfate		10.0		2160	200.0	1955	101.6	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020221-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.89	10.00	0.1710	97.2	9.776	1.20	02/05/2025
Chloride		5.00		461	200.0	241.8	109.5	457.7	0.68	02/05/2025
Sulfate		10.0		2160	200.0	1955	104.4	2158	0.27	02/05/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		SampType: MS		Units mg/L						
SampID: 25020283-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		5.00		130	100.0	30.16	100.3	80	120	02/05/2025
Chloride		50.0		12800	2000	10900	97.0	80	120	02/05/2025
Sulfate		100		6670	2000	4560	105.4	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L						RPD Limit 15	
SampID: 25020283-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		5.00		133	100.0	30.16	102.5	130.5	1.63	02/05/2025	
Chloride		50.0		13300	2000	10900	118.1	12840	3.23	02/05/2025	
Sulfate		100		6890	2000	4560	116.3	6669	3.21	02/05/2025	

Batch R359867		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24121807-018ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50	J	0.35				0.3550	0.00	02/05/2025
Chloride			5.00		238				234.4	1.62	02/05/2025
Sulfate			10.0		ND				0	0.00	02/05/2025

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

Batch 233304		SampType: MBLK		Units mg/L							
SampID: MBLK-233304											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/10/2025	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/10/2025	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/10/2025	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/10/2025	

Batch 233304		SampType: LCS		Units mg/L							
SampID: LCS-233304											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		4.30	5.000	0	85.9	85	115		
Magnesium		0.0500		4.73	5.000	0	94.6	85	115		
Potassium		0.100		4.54	5.000	0	90.9	85	115		
Sodium		0.0500		4.38	5.000	0	87.6	85	115		



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233304 SampType: MS Units mg/L

SampID: 25010537-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	38.7	5.000	35.16	70.0	75	125	01/10/2025

Batch 233304 SampType: MSD Units mg/L

RPD Limit 20

SampID: 25010537-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	38.7	5.000	35.16	70.6	38.66	0.08	01/10/2025

Batch 233456 SampType: MBLK Units mg/L

SampID: MBLK-233456

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	01/15/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	01/15/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/15/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	01/15/2025

Batch 233456 SampType: LCS Units mg/L

SampID: LCS-233456

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.66	5.000	0	93.3	85	115	01/15/2025
Magnesium		0.050		4.43	5.000	0	88.6	85	115	01/15/2025
Potassium		0.100		4.78	5.000	0	95.6	85	115	01/15/2025
Sodium		0.050		4.78	5.000	0	95.5	85	115	01/15/2025

Batch 233456 SampType: MS Units mg/L

SampID: 24121807-040CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	65.6	5.000	63.68	37.6	75	125	01/15/2025
Magnesium		0.050		28.5	5.000	23.12	107.0	75	125	01/16/2025
Potassium		0.100		5.33	5.000	0.2205	102.2	75	125	01/15/2025
Sodium		0.050	S	114	5.000	112.5	24.8	75	125	01/15/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233456		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24121807-040CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	64.8	5.000	63.68	22.2	65.56	1.18	01/15/2025
Magnesium		0.050		27.5	5.000	23.12	88.3	28.48	3.34	01/16/2025
Potassium		0.100		5.22	5.000	0.2205	100.0	5.333	2.17	01/15/2025
Sodium		0.050	S	113	5.000	112.5	4.2	113.7	0.91	01/15/2025

Batch 233456		SampType: MS		Units mg/L							Date Analyzed
SampID: 24121807-050CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	265	5.000	269.0	-82.0	75	125	01/15/2025	
Magnesium		0.050	S	165	5.000	165.8	-17.4	75	125	01/15/2025	
Potassium		0.100		7.00	5.000	1.908	101.9	75	125	01/15/2025	
Sodium		0.050	S	361	5.000	371.8	-224.0	75	125	01/15/2025	

Batch 233456		SampType: MSD		Units mg/L		RPD Limit 20				
SampID: 24121807-050CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	266	5.000	269.0	-50.2	264.9	0.60	01/15/2025
Magnesium		0.050	S	167	5.000	165.8	30.1	165.0	1.43	01/15/2025
Potassium		0.100		7.11	5.000	1.908	104.0	7.001	1.47	01/15/2025
Sodium		0.050	S	363	5.000	371.8	-170.6	360.6	0.74	01/15/2025

Batch 233463		SampType: MBLK		Units mg/L							
SampID: MBLK-233463											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/16/2025	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/15/2025	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/15/2025	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/16/2025	

Batch 233463		SampType: LCS		Units mg/L						
SampID: LCS-233463										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.49	5.000	0	89.8	85	115	01/15/2025
Magnesium		0.0500		4.26	5.000	0	85.1	85	115	01/15/2025
Potassium		0.100		4.69	5.000	0	93.9	85	115	01/15/2025
Sodium		0.0500		4.65	5.000	0	93.1	85	115	01/15/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233463		SampType: MS		Units mg/L						
SampID: 24121807-066DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	135	5.000	136.0	-26.2	75	125	01/15/2025
Magnesium		0.050	S	54.2	5.000	51.86	47.4	75	125	01/15/2025
Potassium		0.100		7.01	5.000	2.532	89.5	75	125	01/15/2025
Sodium		0.050	S	92.4	5.000	92.29	2.2	75	125	01/15/2025

Batch 233463		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24121807-066DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	135	5.000	136.0	-16.0	134.7	0.38		
Magnesium		0.050	S	54.2	5.000	51.86	46.1	54.23	0.11		
Potassium		0.100		6.97	5.000	2.532	88.7	7.009	0.58		
Sodium		0.050	S	92.9	5.000	92.29	11.6	92.40	0.51		

Batch 233463		SampType: MS		Units mg/L							Date Analyzed
SampID: 25010827-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Magnesium		0.050	S	48.6	5.000	45.28	65.5	75	125		

Batch 233463		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 25010827-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium			0.050	S	48.7	5.000	45.28	69.2	48.56	0.38	01/15/2025

Batch 233583		SampType: MBLK		Units mg/L						
SampID: MBLK-233583										
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	01/20/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	01/20/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/20/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	01/20/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233583		SampType: LCS		Units mg/L							
SampID: LCS-233583											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		5.10	5.000	0	102.0	85	115	01/20/2025	
Magnesium		0.050		4.74	5.000	0	94.7	85	115	01/20/2025	
Potassium		0.100		5.15	5.000	0	103.1	85	115	01/20/2025	
Sodium		0.050		5.06	5.000	0	101.2	85	115	01/20/2025	

Batch 233583		SampType: MS		Units mg/L						
SampID: 24121807-003GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	126	5.000	126.7	-6.0	75	125	01/20/2025
Magnesium		0.050	S	84.4	5.000	83.15	24.7	75	125	01/20/2025
Potassium		0.100		7.11	5.000	2.476	92.6	75	125	01/20/2025
Sodium		0.050	S	236	5.000	240.6	-82.8	75	125	01/20/2025

Batch	233583	SampType:	MSD	Units mg/L					RPD Limit 20		
SampID:		24121807-003GMSD									Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Calcium			0.100	S	128	5.000	126.7	19.2	126.4	0.99	01/20/2025
Magnesium			0.050	S	84.8	5.000	83.15	33.6	84.39	0.52	01/20/2025
Potassium			0.100		7.17	5.000	2.476	93.9	7.108	0.88	01/20/2025
Sodium			0.050	S	238	5.000	240.6	-55.2	236.5	0.58	01/20/2025

Batch 233583		SampType: MS		Units mg/L						
SampID: 24121807-033CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	439	5.000	457.1	-356.0	75	125	01/20/2025
Magnesium		0.050	S	336	5.000	349.5	-279.1	75	125	01/20/2025
Potassium		0.100		9.63	5.000	5.237	87.8	75	125	01/20/2025
Sodium		0.050	S	133	5.000	137.0	-71.6	75	125	01/20/2025

Batch 233583		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24121807-033CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	438	5.000	457.1	-375.2	439.3	0.22	01/20/2025
Magnesium		0.050	S	339	5.000	349.5	-217.6	335.5	0.91	01/20/2025
Potassium		0.100		9.64	5.000	5.237	88.1	9.626	0.15	01/20/2025
Sodium		0.050	S	133	5.000	137.0	-77.2	133.4	0.21	01/20/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233585 SampType: MBLK Units mg/L

SampleID: MBLK-233585

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	01/20/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/20/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/20/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/20/2025

Batch 233585 SampType: LCS Units mg/L

SampleID: LCS-233585

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.37	5.000	0	87.4	85	115	01/20/2025
Magnesium		0.0500		4.26	5.000	0	85.1	85	115	01/20/2025
Potassium		0.100		4.87	5.000	0	97.4	85	115	01/20/2025
Sodium		0.0500		4.63	5.000	0	92.6	85	115	01/20/2025

Batch 233585 SampType: MS Units mg/L

SampleID: 25010981-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	54.3	5.000	51.65	53.5	75	125	01/20/2025

Batch 233585 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25010981-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	54.5	5.000	51.65	56.8	54.33	0.30	01/20/2025

Batch 233674 SampType: MBLK Units mg/L

SampleID: MBLK-233674

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	01/21/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/21/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/21/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/21/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233674 SampType: LCS Units mg/L

SampID: LCS-233674

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.54	5.000	0	90.8	85	115	01/21/2025
Magnesium		0.0500		4.31	5.000	0	86.2	85	115	01/21/2025
Potassium		0.100		4.92	5.000	0	98.4	85	115	01/21/2025
Sodium		0.0500		4.80	5.000	0	96.0	85	115	01/21/2025

Batch 233674 SampType: MS Units mg/L

SampID: 25011225-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.0500	S	40.3	5.000	37.12	63.3	75	125	01/21/2025
Potassium		0.100		6.16	5.000	1.313	97.0	75	125	01/21/2025
Sodium		0.0500	S	40.8	5.000	37.63	62.8	75	125	01/21/2025

Batch 233674 SampType: MSD Units mg/L

RPD Limit 20

SampID: 25011225-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.0500	S	40.6	5.000	37.12	70.1	40.29	0.84	01/21/2025
Potassium		0.100		6.09	5.000	1.313	95.5	6.165	1.28	01/21/2025
Sodium		0.0500	S	40.9	5.000	37.63	64.6	40.77	0.22	01/21/2025

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

Batch 233298 SampType: MBLK Units mg/L

SampID: MBLK-233298

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	01/10/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/10/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/10/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/10/2025

Batch 233298 SampType: LCS Units mg/L

SampID: LCS-233298

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.44	5.000	0	88.7	85	115	01/10/2025
Magnesium		0.0500		4.43	5.000	0	88.6	85	115	01/10/2025
Potassium		0.100		4.92	5.000	0	98.4	85	115	01/10/2025
Sodium		0.0500		4.76	5.000	0	95.2	85	115	01/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233454		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-233454											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/16/2025	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/16/2025	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/16/2025	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/16/2025	

Batch 233454		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-233454											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		4.69	5.000	0	93.8	85	115	01/16/2025	
Magnesium		0.0500		4.67	5.000	0	93.4	85	115	01/16/2025	
Potassium		0.100		4.94	5.000	0	98.8	85	115	01/16/2025	
Sodium		0.0500		4.93	5.000	0	98.6	85	115	01/16/2025	

Batch 233454		SampType: MS		Units mg/L						
SampID: 24121807-011BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	116	5.000	108.7	137.2	75	125	01/16/2025
Magnesium		0.050		51.0	5.000	45.03	118.8	75	125	01/16/2025
Potassium		0.100		8.54	5.000	3.146	107.9	75	125	01/16/2025
Sodium		0.050		96.0	5.000	89.72	124.8	75	125	01/16/2025

Batch	233454	SampType:	MSD	Units mg/L					RPD Limit 20		
SampID: 24121807-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100	S	116	5.000	108.7	151.4	115.5	0.61	01/16/2025
Magnesium			0.050		51.2	5.000	45.03	122.5	50.97	0.35	01/16/2025
Potassium			0.100		8.47	5.000	3.146	106.5	8.539	0.82	01/16/2025
Sodium			0.050		95.8	5.000	89.72	120.8	95.96	0.21	01/16/2025

Batch 233454		SampType: MS		Units mg/L						
SampID: 24121807-083BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100	S	429	5.000	431.8	-62.4	75	125	01/16/2025
Magnesium		0.050	S	335	5.000	337.3	-55.0	75	125	01/16/2025
Potassium		0.100		9.65	5.000	4.270	107.5	75	125	01/16/2025
Sodium		0.050	S	331	5.000	335.1	-71.8	75	125	01/16/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233454		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24121807-083BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	433	5.000	431.8	24.2	428.7	1.01	01/16/2025
Magnesium		0.050	S	340	5.000	337.3	48.5	334.6	1.54	01/16/2025
Potassium		0.100		9.59	5.000	4.270	106.4	9.646	0.59	01/16/2025
Sodium		0.050	S	336	5.000	335.1	24.2	331.5	1.44	01/16/2025

Batch 233501		SampType: MBLK		Units mg/L						
SampID: MBLK-233501										
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	01/17/2025
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	01/17/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/17/2025
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	01/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/17/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/17/2025

Batch 233501		SampType: LCS		Units mg/L						
SampID: LCS-233501										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.70	5.000	0	94.1	85	115	01/17/2025
Iron		0.0400		4.11	4.000	0	102.8	85	115	01/17/2025
Magnesium		0.0500		4.67	5.000	0	93.3	85	115	01/17/2025
Manganese		0.0070		0.970	1.000	0	97.0	85	115	01/17/2025
Potassium		0.100		4.84	5.000	0	96.8	85	115	01/17/2025
Sodium		0.0500		4.92	5.000	0	98.4	85	115	01/17/2025

Batch 233501		SampType: MS		Units mg/L							
SampID: 25010905-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Manganese		0.0070		1.52	1.000	0.5023	101.5	75	125	01/17/2025	

Batch 233501		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 25010905-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese			0.0070		1.51	1.000	0.5023	100.6	1.517	0.57	01/17/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233523 SampType: MBLK Units mg/L

SampleID: MBLK-233523

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	01/17/2025
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	01/17/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/17/2025
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	01/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/17/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/17/2025

Batch 233523 SampType: LCS Units mg/L

SampleID: LCS-233523

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.90	5.000	0	98.1	85	115	01/17/2025
Iron		0.0400		4.21	4.000	0	105.2	85	115	01/17/2025
Magnesium		0.0500		4.75	5.000	0	95.0	85	115	01/17/2025
Manganese		0.0070		0.988	1.000	0	98.8	85	115	01/17/2025
Potassium		0.100		5.07	5.000	0	101.5	85	115	01/17/2025
Sodium		0.0500		5.07	5.000	0	101.4	85	115	01/17/2025

Batch 233523 SampType: MS Units mg/L

SampleID: 25010938-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		77.5	5.000	72.17	107.4	75	125	01/17/2025
Iron		0.0400		4.64	4.000	0.4254	105.4	75	125	01/17/2025
Magnesium		0.0500		29.6	5.000	24.90	94.6	75	125	01/17/2025
Manganese		0.0070		1.11	1.000	0.1362	97.1	75	125	01/17/2025

Batch 233523 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25010938-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		76.1	5.000	72.17	78.8	77.54	1.86	01/17/2025
Iron		0.0400		4.67	4.000	0.4254	106.1	4.640	0.64	01/17/2025
Magnesium		0.0500		29.2	5.000	24.90	85.7	29.63	1.51	01/17/2025
Manganese		0.0070		1.12	1.000	0.1362	98.3	1.107	1.06	01/17/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233524 SampType: MBLK Units mg/L

SampleID: MBLK-233524

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	01/17/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/17/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/17/2025

Batch 233524 SampType: LCS Units mg/L

SampleID: LCS-233524

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.91	5.000	0	98.2	85	115	01/17/2025
Magnesium		0.0500		4.72	5.000	0	94.5	85	115	01/17/2025
Potassium		0.100		5.24	5.000	0	104.7	85	115	01/17/2025
Sodium		0.0500		5.26	5.000	0	105.2	85	115	01/17/2025

Batch 233524 SampType: MS Units mg/L

SampleID: 25011027-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	112	5.000	105.6	130.2	75	125	01/17/2025
Magnesium		0.0500		38.3	5.000	33.11	104.8	75	125	01/17/2025

Batch 233524 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011027-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		111	5.000	105.6	112.6	112.2	0.79	01/17/2025
Magnesium		0.0500		38.2	5.000	33.11	101.8	38.35	0.39	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233671 SampType: MBLK Units mg/L

SampID: MBLK-233671

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	01/21/2025
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	01/21/2025
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/21/2025
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	01/21/2025
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	01/21/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/21/2025
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	01/21/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/21/2025
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	01/21/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/21/2025
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	01/21/2025

Batch 233671 SampType: LCS Units mg/L

SampID: LCS-233671

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.03	1.000	0	102.9	85	115	01/21/2025
Cadmium		0.0020		0.105	0.1000	0	104.9	85	115	01/21/2025
Calcium		0.100		4.62	5.000	0	92.4	85	115	01/21/2025
Iron		0.0400		4.51	4.000	0	112.8	85	115	01/21/2025
Lead		0.0150		0.996	1.000	0	99.6	85	115	01/21/2025
Magnesium		0.0500		4.89	5.000	0	97.7	85	115	01/21/2025
Manganese		0.0070		0.989	1.000	0	98.9	85	115	01/21/2025
Potassium		0.100		5.35	5.000	0	107.0	85	115	01/21/2025
Selenium		0.0400		0.981	1.000	0	98.1	85	115	01/21/2025
Sodium		0.0500		5.35	5.000	0	107.0	85	115	01/21/2025
Zinc		0.0100		1.01	1.000	0	101.4	85	115	01/21/2025

Batch 233671 SampType: MS Units mg/L

SampID: 24121807-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	111	5.000	109.0	47.2	75	125	01/21/2025
Magnesium		0.050		54.3	5.000	50.17	81.8	75	125	01/21/2025
Potassium		0.100		8.31	5.000	3.201	102.2	75	125	01/21/2025
Sodium		0.050	S	139	5.000	137.2	32.2	75	125	01/21/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233671		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24121807-028BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	110	5.000	109.0	20.6	111.4	1.20	01/21/2025
Magnesium		0.050	S	53.2	5.000	50.17	61.1	54.26	1.93	01/21/2025
Potassium		0.100		8.20	5.000	3.201	100.0	8.313	1.35	01/21/2025
Sodium		0.050	S	137	5.000	137.2	-7.0	138.8	1.42	01/21/2025

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

Batch 233304		SampType: MBLK		Units µg/L							
SampID: MBLK-233304											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/13/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/13/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/10/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/13/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/10/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/10/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/10/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/13/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/10/2025	

Batch 233304		SampType: LCS		Units µg/L							
SampID: LCS-233304											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1030	1000	0	102.8	80	120	01/13/2025	
Arsenic		1.0		934	1000	0	93.4	80	120	01/13/2025	
Boron		25.0		910	1000	0	91.0	80	120	01/15/2025	
Cadmium		1.0		106	100.0	0	105.9	80	120	01/13/2025	
Chromium		1.5		338	400.0	0	84.5	80	120	01/10/2025	
Lead		1.0		870	1000	0	87.0	80	120	01/10/2025	
Selenium		1.0		815	1000	0	81.5	80	120	01/10/2025	
Vanadium		5.0		920	1000	0	92.0	80	120	01/13/2025	
Zinc		15.0		814	1000	0	81.4	80	120	01/10/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233304		SampType: MS		Units µg/L						
SampID: 25010537-008BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		976	1000	7.759	96.8	75	125	01/13/2025
Boron		25.0		932	1000	125.5	80.7	75	125	01/11/2025
Cadmium		1.0		102	100.0	0	101.6	75	125	01/13/2025
Chromium		1.5		331	400.0	0	82.8	75	125	01/11/2025
Lead		1.0		950	1000	0	95.0	75	125	01/13/2025
Zinc		13.0		792	1000	0	79.2	75	125	01/11/2025

Batch 233304		SampType: MSD		Units µg/L				RPD Limit 20			Date Analyzed
SampID: 25010537-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Arsenic		1.0		999	1000	7.759	99.1	976.1	2.34	01/13/2025	
Boron		25.0		964	1000	125.5	83.9	932.2	3.40	01/11/2025	
Cadmium		1.0		105	100.0	0	105.3	101.6	3.60	01/13/2025	
Chromium		1.5		340	400.0	0	84.9	331.2	2.53	01/11/2025	
Lead		1.0		978	1000	0	97.8	950.2	2.87	01/13/2025	
Zinc		13.0		812	1000	0	81.2	792.0	2.44	01/11/2025	

Batch 233456		SampType: MBLK		Units µg/L							
SampID: MBLK-233456											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	01/17/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/17/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/17/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/16/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/16/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/16/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/16/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/16/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/16/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/16/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/16/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233456		SampType: LCS		Units µg/L						
SampID: LCS-233456										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3730	4000	0	93.2	80	120	01/17/2025
Arsenic		1.0		961	1000	0	96.1	80	120	01/17/2025
Boron		25.0		975	1000	0	97.5	80	120	01/17/2025
Cadmium		1.0		100	100.0	0	100.3	80	120	01/16/2025
Chromium		1.5		354	400.0	0	88.5	80	120	01/16/2025
Iron		25.0		3500	4000	0	87.4	80	120	01/16/2025
Lead		1.0		863	1000	0	86.3	80	120	01/16/2025
Lithium	*	3.0		829	1000	0	82.9	80	120	01/16/2025
Manganese		2.0		880	1000	0	88.0	80	120	01/16/2025
Selenium		1.0		881	1000	0	88.1	80	120	01/16/2025
Zinc		15.0		843	1000	0	84.3	80	120	01/16/2025

Batch 233456		SampType: MS		Units µg/L						
SampID: 24121807-040CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		959	1000	0	95.9	75	125	01/17/2025
Boron		25.0		965	1000	0	96.5	75	125	01/17/2025
Cadmium		1.0		93.4	100.0	0	93.4	75	125	01/16/2025
Chromium		1.5		387	400.0	0	96.8	75	125	01/17/2025
Iron		25.0		3770	4000	0	94.3	75	125	01/17/2025
Lead		1.0		868	1000	0	86.8	75	125	01/16/2025
Manganese		2.0		937	1000	1.071	93.6	75	125	01/17/2025
Selenium		1.0		883	1000	0	88.3	75	125	01/16/2025
Zinc		15.0		857	1000	0	85.7	75	125	01/21/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233456		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24121807-040CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		901	1000	0	90.1	958.9	6.19	01/17/2025
Boron		25.0		893	1000	0	89.3	965.2	7.76	01/17/2025
Cadmium		1.0		87.3	100.0	0	87.3	93.41	6.79	01/16/2025
Chromium		1.5		362	400.0	0	90.6	387.1	6.58	01/17/2025
Iron		25.0		3580	4000	0	89.5	3773	5.25	01/17/2025
Lead		1.0		828	1000	0	82.8	868.5	4.75	01/16/2025
Manganese		2.0		876	1000	1.071	87.5	936.8	6.66	01/17/2025
Selenium		1.0		868	1000	0	86.8	882.9	1.72	01/16/2025
Zinc		15.0		848	1000	0	84.8	856.7	1.08	01/21/2025

Batch 233456		SampType: MS		Units µg/L						
SampID: 24121807-050CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		1030	1000	0	102.8	75	125	01/17/2025
Boron		25.0		1390	1000	418.7	97.6	75	125	01/17/2025
Cadmium		1.0		94.4	100.0	0	94.4	75	125	01/16/2025
Chromium		1.5		341	400.0	0	85.3	75	125	01/16/2025
Iron		25.0		3410	4000	0	85.3	75	125	01/16/2025
Lead		1.0		896	1000	0	89.6	75	125	01/16/2025
Manganese		2.0		1330	1000	325.5	100.6	75	125	01/17/2025
Selenium		1.0		914	1000	0	91.4	75	125	01/16/2025
Zinc		15.0		818	1000	0	81.8	75	125	01/16/2025

Batch 233456		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24121807-050CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		983	1000	0	98.3	1028	4.52	01/17/2025
Boron		25.0		1350	1000	418.7	93.2	1395	3.24	01/17/2025
Cadmium		1.0		93.7	100.0	0	93.7	94.36	0.65	01/16/2025
Chromium		1.5		338	400.0	0	84.4	341.4	1.11	01/16/2025
Iron		25.0		3400	4000	0	85.0	3410	0.24	01/16/2025
Lead		1.0		875	1000	0	87.5	896.1	2.38	01/16/2025
Manganese		2.0		1290	1000	325.5	96.1	1331	3.42	01/17/2025
Selenium		1.0		899	1000	0	89.9	914.2	1.68	01/16/2025
Zinc		15.0		796	1000	0	79.6	817.8	2.66	01/16/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233463		SampType: MBLK		Units µg/L							
SampID: MBLK-233463											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	01/16/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/17/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/17/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/16/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/16/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/16/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/16/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/16/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/16/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/16/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/16/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/16/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/16/2025	

Batch 233463		SampType: LCS		Units µg/L							
SampID: LCS-233463											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3450	4000	0	86.3	80	120	01/16/2025	
Antimony		1.0		1050	1000	0	104.8	80	120	01/17/2025	
Arsenic		1.0		874	1000	0	87.4	80	120	01/17/2025	
Boron		25.0		896	1000	0	89.6	80	120	01/17/2025	
Cadmium		1.0		89.8	100.0	0	89.8	80	120	01/16/2025	
Chromium		1.5		331	400.0	0	82.8	80	120	01/16/2025	
Iron		25.0		3360	4000	0	84.0	80	120	01/16/2025	
Lead		1.0		842	1000	0	84.2	80	120	01/16/2025	
Lithium	*	3.0		874	1000	0	87.4	80	120	01/17/2025	
Manganese		2.0		870	1000	0	87.0	80	120	01/16/2025	
Selenium		1.0		875	1000	0	87.5	80	120	01/16/2025	
Vanadium		5.0		945	1000	0	94.5	80	120	01/17/2025	
Zinc		15.0		908	1000	0	90.8	80	120	01/16/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233463		SampType: MS		Units µg/L						
SampID: 24121807-066DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		1080	1000	0	107.6	75	125	01/17/2025
Arsenic		1.0		927	1000	7.334	91.9	75	125	01/17/2025
Boron		25.0		1000	1000	94.23	90.8	75	125	01/17/2025
Cadmium		1.0		91.6	100.0	0	91.6	75	125	01/16/2025
Chromium		1.5		324	400.0	0	80.9	75	125	01/16/2025
Lead		1.0		825	1000	0	82.5	75	125	01/16/2025
Selenium		1.0		860	1000	0	86.0	75	125	01/16/2025
Vanadium		5.0		960	1000	0	96.0	75	125	01/17/2025
Zinc		15.0		782	1000	0	78.2	75	125	01/16/2025

Batch 233463		SampType: MSD	Units µg/L					RPD Limit 20		
SampID: 24121807-066DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		1060	1000	0	106.2	1076	1.33	01/17/2025
Arsenic		1.0		922	1000	7.334	91.4	926.8	0.57	01/17/2025
Boron		25.0		965	1000	94.23	87.1	1002	3.75	01/17/2025
Cadmium		1.0		86.3	100.0	0	86.3	91.56	5.88	01/16/2025
Chromium		1.5		317	400.0	0	79.3	323.5	1.99	01/16/2025
Lead		1.0		815	1000	0	81.5	824.9	1.19	01/16/2025
Selenium		1.0		834	1000	0	83.4	859.6	3.03	01/16/2025
Vanadium		5.0		942	1000	0	94.2	960.2	1.93	01/17/2025
Zinc		15.0		762	1000	0	76.2	781.9	2.63	01/16/2025

Batch 233463		SampType: MS		Units µg/L						
SampID: 25010827-002CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		926	1000	11.30	91.5	75	125	01/17/2025
Boron		25.0		1220	1000	286.4	93.5	75	125	01/17/2025
Cadmium		1.0		103	100.0	0	103.1	75	125	01/17/2025
Chromium		1.5		322	400.0	0	80.5	75	125	01/16/2025
Lead		1.0		832	1000	0	83.2	75	125	01/16/2025
Zinc		15.0		771	1000	0	77.1	75	125	01/16/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233463		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 25010827-002CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		917	1000	11.30	90.5	926.3	1.03	01/17/2025
Boron		25.0		1200	1000	286.4	91.1	1221	1.95	01/17/2025
Cadmium		1.0		106	100.0	0	105.6	103.1	2.33	01/17/2025
Chromium		1.5		326	400.0	0	81.5	321.9	1.29	01/16/2025
Lead		1.0		827	1000	0	82.7	831.5	0.52	01/16/2025
Zinc		15.0		769	1000	0	76.9	770.5	0.24	01/16/2025

Batch 233583		SampType: MBLK		Units µg/L						
SampID: MBLK-233583										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	01/20/2025
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/20/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/20/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/21/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/20/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/20/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/20/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/20/2025
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/20/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/20/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/20/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/20/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/21/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233583		SampType: LCS		Units µg/L							
SampID: LCS-233583											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3550	4000	0	88.8	80	120	01/20/2025	
Antimony		1.0		1150	1000	0	114.8	80	120	01/20/2025	
Arsenic		1.0		972	1000	0	97.2	80	120	01/20/2025	
Boron		25.0		862	1000	0	86.2	80	120	01/21/2025	
Cadmium		1.0		109	100.0	0	109.4	80	120	01/20/2025	
Chromium		1.5		382	400.0	0	95.6	80	120	01/20/2025	
Iron		25.0		3880	4000	0	96.9	80	120	01/20/2025	
Lead		1.0		928	1000	0	92.8	80	120	01/20/2025	
Lithium	*	3.0		926	1000	0	92.6	80	120	01/20/2025	
Manganese		2.0		1020	1000	0	101.8	80	120	01/20/2025	
Selenium		1.0		976	1000	0	97.6	80	120	01/20/2025	
Vanadium		5.0		1030	1000	0	102.8	80	120	01/20/2025	
Zinc		15.0		843	1000	0	84.3	80	120	01/21/2025	

Batch 233583		SampType: MS		Units µg/L							
SampID: 24121807-003GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1050	1000	0	105.1	75	125	01/20/2025	
Arsenic		1.0		899	1000	26.76	87.2	75	125	01/20/2025	
Boron		25.0		905	1000	80.74	82.5	75	125	01/21/2025	
Cadmium		1.0		95.6	100.0	0	95.6	75	125	01/20/2025	
Chromium		1.5		331	400.0	0	82.8	75	125	01/20/2025	
Lead		1.0		875	1000	0	87.5	75	125	01/20/2025	
Selenium		1.0		861	1000	0	86.1	75	125	01/20/2025	
Vanadium		5.0		910	1000	0	91.0	75	125	01/20/2025	
Zinc		15.0		771	1000	0	77.1	75	125	01/21/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233583		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24121807-003GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		1090	1000	0	108.8	1051	3.52	01/20/2025
Arsenic		1.0		942	1000	26.76	91.5	898.7	4.70	01/20/2025
Boron		25.0		919	1000	80.74	83.8	905.4	1.47	01/21/2025
Cadmium		1.0		99.7	100.0	0	99.7	95.64	4.19	01/20/2025
Chromium		1.5		345	400.0	0	86.2	331.4	4.01	01/20/2025
Lead		1.0		883	1000	0	88.3	874.9	0.96	01/20/2025
Selenium		1.0		897	1000	0	89.7	861.0	4.06	01/20/2025
Vanadium		5.0		953	1000	0	95.3	909.9	4.63	01/20/2025
Zinc		15.0		793	1000	0	79.3	771.3	2.80	01/21/2025

Batch 233583		SampType: MS		Units µg/L						
SampID: 24121807-033CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		913	1000	0.7265	91.2	75	125	01/20/2025
Boron		25.0		888	1000	103.4	78.5	75	125	01/21/2025
Cadmium		1.0		98.3	100.0	0	98.3	75	125	01/20/2025
Chromium		1.5		338	400.0	0	84.6	75	125	01/20/2025
Iron		25.0		3870	4000	464.6	85.2	75	125	01/20/2025
Lead		1.0		871	1000	0	87.1	75	125	01/20/2025
Manganese		2.0		2360	1000	1532	82.4	75	125	01/20/2025
Selenium		1.0		904	1000	0	90.4	75	125	01/20/2025
Zinc		15.0		447	500.0	11.95	87.0	75	125	01/22/2025

Batch 233583		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24121807-033CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		923	1000	0.7265	92.2	912.9	1.09	01/20/2025
Boron		25.0		869	1000	103.4	76.6	888.4	2.17	01/21/2025
Cadmium		1.0		99.5	100.0	0	99.5	98.30	1.22	01/20/2025
Chromium		1.5		344	400.0	0	86.0	338.4	1.61	01/20/2025
Iron		25.0		3900	4000	464.6	85.9	3871	0.72	01/20/2025
Lead		1.0		875	1000	0	87.5	871.0	0.47	01/20/2025
Manganese		2.0		2380	1000	1532	84.6	2357	0.94	01/20/2025
Selenium		1.0		914	1000	0	91.4	904.1	1.06	01/20/2025
Zinc		15.0		462	500.0	11.95	90.0	446.7	3.41	01/22/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233585		SampType: MBLK		Units µg/L							
SampID: MBLK-233585											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	01/20/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/20/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/20/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/20/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/20/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/20/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/20/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/20/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/20/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/20/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/20/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/20/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/20/2025	

Batch 233585		SampType: LCS		Units µg/L							
SampID: LCS-233585											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3470	4000	0	86.8	80	120	01/20/2025	
Antimony		1.0		969	1000	0	96.9	80	120	01/20/2025	
Arsenic		1.0		903	1000	0	90.3	80	120	01/20/2025	
Boron		25.0		919	1000	0	91.9	80	120	01/20/2025	
Cadmium		1.0		94.2	100.0	0	94.2	80	120	01/20/2025	
Chromium		1.5		356	400.0	0	89.0	80	120	01/20/2025	
Iron		25.0		3510	4000	0	87.8	80	120	01/20/2025	
Lead		1.0		880	1000	0	88.0	80	120	01/20/2025	
Lithium	*	3.0		938	1000	0	93.8	80	120	01/20/2025	
Manganese		2.0		934	1000	0	93.4	80	120	01/20/2025	
Selenium		1.0		999	1000	0	99.9	80	120	01/20/2025	
Vanadium		5.0		859	1000	0	85.9	80	120	01/20/2025	
Zinc		15.0		907	1000	0	90.7	80	120	01/20/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233585		SampType: MS		Units µg/L						
SampID: 25010981-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		964	1000	76.92	88.7	75	125	01/20/2025
Boron		25.0		1160	1000	286.4	87.0	75	125	01/20/2025
Cadmium		1.0		88.7	100.0	0	88.7	75	125	01/20/2025
Chromium		1.5		338	400.0	0.7566	84.2	75	125	01/20/2025
Lead		1.0		875	1000	0	87.5	75	125	01/20/2025
Zinc		15.0		855	1000	0	85.5	75	125	01/20/2025

Batch 233585		SampType: MSD		Units µg/L				RPD Limit 20		Date Analyzed
SampID: 25010981-001CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		1.0		937	1000	76.92	86.0	963.8	2.80	01/20/2025
Boron		25.0		1170	1000	286.4	88.1	1156	0.95	01/20/2025
Cadmium		1.0		89.0	100.0	0	89.0	88.74	0.27	01/20/2025
Chromium		1.5		330	400.0	0.7566	82.4	337.6	2.18	01/20/2025
Lead		1.0		865	1000	0	86.5	874.7	1.09	01/20/2025
Zinc		15.0		852	1000	0	85.2	855.1	0.37	01/20/2025

Batch 233674		SampType: MBLK		Units µg/L							
SampID: MBLK-233674											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	01/22/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/22/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/22/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/21/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/22/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/22/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/21/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/21/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/21/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/21/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/21/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/22/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/22/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233674		SampType: LCS		Units µg/L							
SampID: LCS-233674											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3480	4000	0	87.0	80	120	01/22/2025	
Antimony		1.0		904	1000	0	90.4	80	120	01/22/2025	
Arsenic		1.0		912	1000	0	91.2	80	120	01/22/2025	
Boron		25.0		850	1000	0	85.0	80	120	01/21/2025	
Cadmium		1.0		95.7	100.0	0	95.7	80	120	01/22/2025	
Chromium		1.5		362	400.0	0	90.5	80	120	01/22/2025	
Iron		25.0		3360	4000	0	84.1	80	120	01/21/2025	
Lead		1.0		845	1000	0	84.5	80	120	01/21/2025	
Lithium	*	3.0		876	1000	0	87.6	80	120	01/21/2025	
Manganese		2.0		863	1000	0	86.3	80	120	01/21/2025	
Selenium		1.0		871	1000	0	87.1	80	120	01/21/2025	
Vanadium		5.0		892	1000	0	89.2	80	120	01/22/2025	
Zinc		15.0		874	1000	0	87.4	80	120	01/22/2025	

Batch 234240		SampType: MBLK		Units µg/L							
SampID: MBLK-234240											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/04/2025	

Batch 234240		SampType: LCS		Units µg/L							
SampID: LCS-234240											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		25.0		3390	4000	0	84.9	80	120	02/04/2025	

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

Batch 233298		SampType: MBLK		Units µg/L							
SampID: MBLK-233298											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/10/2025	

Batch 233298		SampType: LCS		Units µg/L							
SampID: LCS-233298											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		856	1000	0	85.6	80	120	01/10/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233454		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-233454											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/17/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/17/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	01/16/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	01/16/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/16/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/16/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/16/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	01/16/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/16/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/16/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/16/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/16/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	01/17/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	01/16/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/16/2025	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	01/16/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	01/16/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/16/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/16/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233454		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-233454											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	S	1230	1000	0	123.4	80	120	01/17/2025	
Arsenic		1.0		1040	1000	0	103.6	80	120	01/17/2025	
Barium		1.0		4010	4000	0	100.3	80	120	01/16/2025	
Beryllium		1.0		85.6	100.0	0	85.6	80	120	01/16/2025	
Boron		25.0		880	1000	0	88.0	80	120	01/16/2025	
Cadmium		1.0		106	100.0	0	106.1	80	120	01/16/2025	
Chromium		1.5		373	400.0	0	93.2	80	120	01/16/2025	
Cobalt		1.0		918	1000	0	91.8	80	120	01/16/2025	
Iron		25.0		3810	4000	0	95.2	80	120	01/16/2025	
Lead		1.0		925	1000	0	92.5	80	120	01/16/2025	
Lithium	*	3.0		836	1000	0	83.6	80	120	01/16/2025	
Manganese		2.0		948	1000	0	94.8	80	120	01/16/2025	
Molybdenum		1.5		1090	1000	0	109.3	80	120	01/17/2025	
Nickel		1.0		929	1000	0	92.9	80	120	01/16/2025	
Selenium		1.0		1030	1000	0	102.6	80	120	01/16/2025	
Silver		1.0		101	100.0	0	101.5	80	120	01/16/2025	
Thallium		2.0		440	500.0	0	88.1	80	120	01/16/2025	
Vanadium		5.0		907	1000	0	90.7	80	120	01/16/2025	
Zinc		15.0		942	1000	0	94.2	80	120	01/16/2025	

Batch 233454		SampType: MS		Units µg/L							Date Analyzed
SampID: 24121807-011BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	SE	1270	1000	0	126.6	75	125	01/17/2025	
Arsenic		1.0		994	1000	21.37	97.2	75	125	01/17/2025	
Barium		1.0		4340	4000	449.7	97.2	75	125	01/16/2025	
Beryllium		1.0		97.9	100.0	0	97.9	75	125	01/17/2025	
Boron		25.0		1050	1000	84.71	96.3	75	125	01/17/2025	
Cadmium		1.0		118	100.0	0	117.7	75	125	01/17/2025	
Chromium		1.5		365	400.0	10.06	88.6	75	125	01/16/2025	
Cobalt		1.0		855	1000	3.123	85.1	75	125	01/16/2025	
Lead		1.0		926	1000	4.730	92.1	75	125	01/16/2025	
Lithium	*	3.0		965	1000	7.868	95.7	75	125	01/17/2025	
Molybdenum		1.5		1080	1000	4.561	107.6	75	125	01/17/2025	
Selenium		1.0		947	1000	0	94.7	75	125	01/16/2025	
Thallium		2.0		437	500.0	0	87.4	75	125	01/16/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233454		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24121807-011BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		1.0	SE	1320	1000	0	132.4	1266	4.51	01/17/2025	
Arsenic		1.0		1050	1000	21.37	103.1	993.6	5.74	01/17/2025	
Barium		1.0		4610	4000	449.7	104.1	4337	6.14	01/16/2025	
Beryllium		1.0		104	100.0	0	103.5	97.92	5.59	01/17/2025	
Boron		25.0		1100	1000	84.71	101.6	1047	4.98	01/17/2025	
Cadmium		1.0		123	100.0	0	123.3	117.7	4.61	01/17/2025	
Chromium		1.5		373	400.0	10.06	90.6	364.6	2.18	01/16/2025	
Cobalt		1.0		863	1000	3.123	86.0	854.6	1.00	01/16/2025	
Lead		1.0		944	1000	4.730	94.0	925.6	1.99	01/16/2025	
Lithium	*	3.0		1000	1000	7.868	99.2	964.5	3.58	01/17/2025	
Molybdenum		1.5		1130	1000	4.561	112.6	1080	4.56	01/17/2025	
Selenium		1.0		957	1000	0	95.7	946.8	1.11	01/16/2025	
Thallium		2.0		457	500.0	0	91.4	437.0	4.43	01/16/2025	

Batch 233454		SampType: MS		Units µg/L							
SampID: 24121807-083BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	SE	1280	1000	0	128.3	75	125	01/18/2025	
Arsenic		1.0		1080	1000	2.101	107.6	75	125	01/18/2025	
Beryllium		1.0		95.3	100.0	0	95.3	75	125	01/18/2025	
Boron		25.0		871	1000	43.16	82.8	75	125	01/17/2025	
Cadmium		1.0		114	100.0	0	113.8	75	125	01/18/2025	
Chromium		1.5		356	400.0	0.7134	88.9	75	125	01/17/2025	
Cobalt		1.0		866	1000	0.5728	86.6	75	125	01/17/2025	
Lead		1.0		909	1000	0	90.9	75	125	01/17/2025	
Lithium	*	3.0		1000	1000	69.05	93.3	75	125	01/18/2025	
Molybdenum		1.5		1170	1000	6.369	116.4	75	125	01/18/2025	
Selenium		1.0		980	1000	0	98.0	75	125	01/17/2025	
Thallium		2.0		452	500.0	0	90.4	75	125	01/17/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233454		SampType: MSD		Units µg/L				RPD Limit 20		
SampleID: 24121807-083BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	SE	1330	1000	0	132.5	1283	3.22	01/18/2025
Arsenic		1.0		1060	1000	2.101	106.0	1078	1.57	01/18/2025
Beryllium		1.0		93.2	100.0	0	93.2	95.32	2.30	01/18/2025
Boron		25.0		870	1000	43.16	82.7	871.3	0.09	01/17/2025
Cadmium		1.0		118	100.0	0	117.9	113.8	3.52	01/18/2025
Chromium		1.5		372	400.0	0.7134	92.7	356.5	4.19	01/17/2025
Cobalt		1.0		912	1000	0.5728	91.1	866.4	5.08	01/17/2025
Lead		1.0		936	1000	0	93.6	909.2	2.86	01/17/2025
Lithium	*	3.0		963	1000	69.05	89.4	1002	3.97	01/18/2025
Molybdenum		1.5		1170	1000	6.369	116.8	1170	0.37	01/18/2025
Selenium		1.0		1070	1000	0	107.1	980.4	8.85	01/17/2025
Thallium		2.0		457	500.0	0	91.3	452.1	1.00	01/17/2025

Batch 233501		SampType: MBLK		Units µg/L						
SampleID: MBLK-233501										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/17/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/17/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	01/17/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	01/18/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/18/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/17/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/17/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	01/17/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/17/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/17/2025
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/18/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/17/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	01/17/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/17/2025
Silver		1.0		< 1.0	0.1110	0	0	-100	100	01/17/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	01/17/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/17/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/17/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233501 SampType: LCS Units µg/L

SampID: LCS-233501

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		959	1000	0	95.9	80	120	01/17/2025
Arsenic		1.0		959	1000	0	95.9	80	120	01/17/2025
Barium		1.0		4040	4000	0	101.0	80	120	01/17/2025
Beryllium		1.0		105	100.0	0	105.3	80	120	01/18/2025
Boron		25.0		1040	1000	0	104.4	80	120	01/18/2025
Cadmium		1.0		98.4	100.0	0	98.4	80	120	01/17/2025
Chromium		1.5		375	400.0	0	93.7	80	120	01/17/2025
Cobalt		1.0		1040	1000	0	103.9	80	120	01/18/2025
Iron		25.0		3670	4000	0	91.7	80	120	01/17/2025
Lead		1.0		966	1000	0	96.6	80	120	01/17/2025
Lithium	*	3.0		1030	1000	0	103.1	80	120	01/18/2025
Manganese		2.0		976	1000	0	97.6	80	120	01/17/2025
Nickel		1.0		886	1000	0	88.6	80	120	01/17/2025
Selenium		1.0		1110	1000	0	110.9	80	120	01/17/2025
Silver		1.0		87.9	100.0	0	87.9	80	120	01/17/2025
Thallium		2.0		468	500.0	0	93.7	80	120	01/17/2025
Vanadium		5.0		911	1000	0	91.1	80	120	01/17/2025
Zinc		15.0		915	1000	0	91.5	80	120	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233523		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-233523												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/17/2025		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/17/2025		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	01/17/2025		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	01/17/2025		
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/17/2025		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/17/2025		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/17/2025		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	01/17/2025		
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/17/2025		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/17/2025		
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/17/2025		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/17/2025		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	01/17/2025		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	01/17/2025		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/17/2025		
Silver		1.0		< 1.0	0.1110	0	0	-100	100	01/17/2025		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	01/17/2025		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/17/2025		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/17/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233523		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-233523												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		1.0		930	1000	0	93.0	80	120			
Arsenic		1.0		967	1000	0	96.7	80	120			
Barium		1.0		3950	4000	0	98.7	80	120			
Beryllium		1.0		88.4	100.0	0	88.4	80	120			
Boron		25.0		912	1000	0	91.2	80	120			
Cadmium		1.0		96.5	100.0	0	96.5	80	120			
Chromium		1.5		372	400.0	0	93.1	80	120			
Cobalt		1.0		868	1000	0	86.8	80	120			
Iron		25.0		3740	4000	0	93.5	80	120			
Lead		1.0		962	1000	0	96.2	80	120			
Lithium	*	3.0		895	1000	0	89.5	80	120			
Manganese		2.0		981	1000	0	98.1	80	120			
Molybdenum		1.5		893	1000	0	89.3	80	120			
Nickel		1.0		900	1000	0	90.0	80	120			
Selenium		1.0		1060	1000	0	105.7	80	120			
Silver		1.0		88.8	100.0	0	88.8	80	120			
Thallium		2.0		469	500.0	0	93.9	80	120			
Vanadium		5.0		907	1000	0	90.7	80	120			
Zinc		15.0		937	1000	0	93.7	80	120			



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233523		SampType: MS		Units µg/L						
SampID: 24121807-077FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	SE	1310	1000	0	130.9	75	125	01/18/2025
Arsenic		1.0		1050	1000	47.54	100.5	75	125	01/18/2025
Barium		1.0		5050	4000	205.5	121.2	75	125	01/18/2025
Beryllium		1.0		98.0	100.0	0	98.0	75	125	01/18/2025
Boron		25.0		1150	1000	198.9	95.4	75	125	01/18/2025
Cadmium		1.0		119	100.0	0	118.5	75	125	01/18/2025
Chromium		1.5		417	400.0	5.252	102.8	75	125	01/18/2025
Cobalt		1.0		969	1000	6.443	96.2	75	125	01/18/2025
Iron		25.0	E	13500	4000	9007	112.1	75	125	01/18/2025
Lead		1.0		1040	1000	2.512	103.5	75	125	01/18/2025
Manganese		2.0		1150	1000	149.6	100.0	75	125	01/18/2025
Nickel		1.0		938	1000	4.001	93.4	75	125	01/18/2025
Selenium		1.0		991	1000	0	99.1	75	125	01/18/2025
Silver		1.0		112	100.0	0	111.6	75	125	01/18/2025
Thallium		2.0		508	500.0	0	101.5	75	125	01/18/2025
Vanadium		5.0		1080	1000	6.586	107.0	75	125	01/18/2025
Zinc		15.0		941	1000	11.96	92.9	75	125	01/18/2025



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch	233523	SampType:	MSD	Units	µg/L	RPD Limit 20					
SampID: 24121807-077FMSD											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		1.0	SE	1310	1000	0	130.8	1309	0.05	01/18/2025	
Arsenic		1.0		1060	1000	47.54	101.6	1052	1.08	01/18/2025	
Barium		1.0		5100	4000	205.5	122.4	5054	0.97	01/18/2025	
Beryllium		1.0		97.3	100.0	0	97.3	97.98	0.66	01/18/2025	
Boron		25.0		1160	1000	198.9	96.2	1153	0.64	01/18/2025	
Cadmium		1.0		119	100.0	0	118.7	118.5	0.19	01/18/2025	
Chromium		1.5		434	400.0	5.252	107.1	416.6	4.00	01/18/2025	
Cobalt		1.0		976	1000	6.443	97.0	968.6	0.80	01/18/2025	
Iron		25.0	E	13300	4000	9007	107.7	13490	1.30	01/18/2025	
Lead		1.0		1060	1000	2.512	105.8	1037	2.19	01/18/2025	
Manganese		2.0		1160	1000	149.6	101.4	1149	1.20	01/18/2025	
Nickel		1.0		937	1000	4.001	93.3	937.8	0.08	01/18/2025	
Selenium		1.0		987	1000	0	98.7	990.8	0.43	01/18/2025	
Silver		1.0		112	100.0	0	111.5	111.6	0.08	01/18/2025	
Thallium		2.0		524	500.0	0	104.9	507.6	3.23	01/18/2025	
Vanadium		5.0		1100	1000	6.586	109.6	1076	2.37	01/18/2025	
Zinc		15.0		959	1000	11.96	94.7	940.8	1.87	01/18/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233524 SampType: MBLK Units µg/L

SampleID: MBLK-233524

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/17/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/17/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	01/17/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	01/18/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/18/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/17/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/17/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	01/17/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/17/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/17/2025
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/18/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/17/2025
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	01/17/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	01/17/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/17/2025
Silver		1.0		< 1.0	0.1110	0	0	-100	100	01/17/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	01/17/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/17/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/17/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233524		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-233524											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		968	1000	0	96.8	80	120	01/17/2025	
Arsenic		1.0		999	1000	0	99.9	80	120	01/17/2025	
Barium		1.0		4000	4000	0	100.1	80	120	01/17/2025	
Beryllium		1.0		104	100.0	0	104.2	80	120	01/18/2025	
Boron		25.0		1020	1000	0	101.7	80	120	01/18/2025	
Cadmium		1.0		104	100.0	0	104.2	80	120	01/17/2025	
Chromium		1.5		406	400.0	0	101.6	80	120	01/17/2025	
Cobalt		1.0		918	1000	0	91.8	80	120	01/17/2025	
Iron		25.0		3980	4000	0	99.4	80	120	01/17/2025	
Lead		1.0		1010	1000	0	100.7	80	120	01/17/2025	
Lithium	*	3.0		1020	1000	0	101.6	80	120	01/18/2025	
Manganese		2.0		992	1000	0	99.2	80	120	01/17/2025	
Molybdenum		1.5		951	1000	0	95.1	80	120	01/17/2025	
Nickel		1.0		975	1000	0	97.5	80	120	01/17/2025	
Selenium		1.0		1050	1000	0	104.7	80	120	01/17/2025	
Silver		1.0		100	100.0	0	100.3	80	120	01/17/2025	
Thallium		2.0		473	500.0	0	94.6	80	120	01/17/2025	
Vanadium		5.0		964	1000	0	96.4	80	120	01/17/2025	
Zinc		15.0		974	1000	0	97.4	80	120	01/17/2025	

Batch 233640		SampType: MBLK		Units µg/L						
SampID: MBLK-233640										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		1.0		< 1.0	0.7000	0	0	-100	100	01/21/2025
Copper		1.0		< 1.0	0.2980	0	0	-100	100	01/22/2025

Batch 233640		SampType: LCS		Units µg/L						
SampID: LCS-233640										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		1.0		4630	4000	0	115.8	80	120	01/21/2025
Copper		1.0		491	500.0	0	98.3	80	120	01/22/2025

Batch 233640		SampType: MS		Units µg/L							Date Analyzed
SampID: 24121807-077FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Copper		1.0		459	500.0	13.59	89.0	75	125	01/22/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233640		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24121807-077FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Copper		1.0		462	500.0	13.59	89.6	458.6	0.65	01/22/2025	

Batch 233640		SampType: MS		Units µg/L							
SampID: 24121807-083BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Barium		1.0		3200	4000	20.17	79.5	75	125	01/21/2025	

Batch 233640		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24121807-083BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium			1.0		3390	4000	20.17	84.4	3201	5.85	01/21/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233671		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-233671											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	01/22/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	01/22/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	01/22/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	01/22/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	01/21/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/22/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	01/21/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	01/22/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	01/22/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	01/22/2025	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	01/22/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	01/21/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	01/21/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/22/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/21/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	01/21/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	01/22/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	01/22/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	01/23/2025	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	01/22/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	01/22/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	01/21/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	01/22/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	01/22/2025	



Quality Control Results

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Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233671		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-233671											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		963	1000	0	96.3	80	120	01/22/2025	
Arsenic		1.0		1010	1000	0	101.3	80	120	01/22/2025	
Barium		1.0		4650	4000	0	116.4	80	120	01/21/2025	
Barium		1.0		4340	4000	0	108.5	80	120	01/22/2025	
Beryllium		1.0		98.9	100.0	0	98.9	80	120	01/22/2025	
Beryllium		1.0		101	100.0	0	100.6	80	120	01/21/2025	
Boron		25.0		998	1000	0	99.8	80	120	01/22/2025	
Boron		25.0		969	1000	0	96.9	80	120	01/21/2025	
Cadmium		1.0		106	100.0	0	106.5	80	120	01/22/2025	
Chromium		1.5		394	400.0	0	98.4	80	120	01/22/2025	
Cobalt		1.0		987	1000	0	98.7	80	120	01/22/2025	
Copper		1.0		485	500.0	0	97.0	80	120	01/22/2025	
Iron		25.0		3820	4000	0	95.6	80	120	01/21/2025	
Lead		1.0		932	1000	0	93.2	80	120	01/21/2025	
Lithium	*	3.0		1020	1000	0	101.9	80	120	01/22/2025	
Lithium	*	3.0		990	1000	0	99.0	80	120	01/21/2025	
Manganese		2.0		957	1000	0	95.7	80	120	01/21/2025	
Molybdenum		1.5		1030	1000	0	102.7	80	120	01/22/2025	
Nickel		1.0		960	1000	0	96.0	80	120	01/22/2025	
Selenium		1.0		973	1000	0	97.3	80	120	01/21/2025	
Selenium		1.0		988	1000	0	98.8	80	120	01/23/2025	
Silver		1.0		104	100.0	0	104.3	80	120	01/22/2025	
Thallium		2.0		470	500.0	0	93.9	80	120	01/22/2025	
Thallium		2.0		453	500.0	0	90.6	80	120	01/21/2025	
Vanadium		5.0		954	1000	0	95.4	80	120	01/22/2025	
Zinc		15.0		962	1000	0	96.2	80	120	01/22/2025	

Batch 233671		SampType: MS		Units µg/L							
SampID: 24121807-028BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		1010	1000	217.5	79.7	75	125	01/21/2025	

Batch 233671		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24121807-028BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			25.0		997	1000	217.5	77.9	1014	1.75	01/21/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

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

Batch 233715 SampType: MBLK Units µg/L

SampID: MBLK-233715

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		1.0		< 1.0	0.2980	0	0	-100	100	01/22/2025

Batch 233715 SampType: LCS Units µg/L

SampID: LCS-233715

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		1.0		466	500.0	0	93.3	80	120	01/22/2025

Batch 233813 SampType: MBLK Units µg/L

SampID: MBLK-233813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	01/24/2025

Batch 233813 SampType: LCS Units µg/L

SampID: LCS-233813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lithium	*	3.0		1010	1000	0	101.3	80	120	01/24/2025

SW-846 7470A (DISSOLVED)

Batch 233310 SampType: MBLK Units µg/L

SampID: MBLK-233310

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/14/2025

Batch 233310 SampType: LCS Units µg/L

SampID: LCS-233310

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.76	5.000	0	95.1	85	115	01/14/2025

Batch 233310 SampType: MS Units µg/L

SampID: 24121807-063DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.35	5.000	0	87.0	75	125	01/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 7470A (DISSOLVED)

Batch 233310		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24121807-063DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.27	5.000	0	85.4	4.350	1.85	01/13/2025

Batch 233455		SampType: MS		Units µg/L							
SampID: 24121807-051CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.31	5.000	0	86.2	75	125	01/16/2025	

Batch 233455		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed	
SampID: 24121807-051CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20		4.26	5.000	0	85.1	4.310	1.25	01/16/2025	

Batch 233700		SampType: MS		Units µg/L							
SampID: 25011086-011CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	3.40	5.000	0	68.0	75	125	01/22/2025	

Batch 233700		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed	
SampID: 25011086-011CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20	S	3.37	5.000	0	67.4	3.402	0.89	01/22/2025	

SW-846 7470A (TOTAL)

Batch 233455		SampType: MBLK		Units µg/L							
SampID: MBLK-233455											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/16/2025	

Batch 233455		SampType: LCS		Units µg/L							
SampID: LCS-233455											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.30	5.000	0	86.1	85	115	01/16/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 7470A (TOTAL)

Batch 233455		SampType: MS		Units µg/L							
SampID: 24121807-004CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.24	5.000	0	84.9	75	125	01/16/2025	

Batch 233455		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24121807-004CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.23	5.000	0	84.6	4.244	0.34	01/16/2025

Batch 233525		SampType: MBLK		Units µg/L							
SampID: MBLK-233525											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/17/2025	

Batch 233525		SampType: LCS		Units µg/L							
SampID: LCS-233525											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.33	5.000	0	86.7	85	115	01/17/2025	

Batch 233525		SampType: MS		Units µg/L							
SampID: 24121807-001FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.59	5.000	0	91.8	75	125	01/17/2025	

Batch 233525		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24121807-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.52	5.000	0	90.5	4.589	1.42	01/17/2025

Batch 233527		SampType: MBLK		Units µg/L							
SampID: MBLK-233527											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/17/2025	

Batch 233527		SampType: LCS		Units µg/L							
SampID: LCS-233527											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.43	5.000	0	88.6	85	115	01/17/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 7470A (TOTAL)

Batch 233527		SampType: MS		Units µg/L							
SampID: 24121807-083BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.64	5.000	0	92.7	75	125	01/17/2025	

Batch 233527		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24121807-083BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.60	5.000	0	92.0	4.635	0.74	01/17/2025

Batch 233588		SampType: MBLK		Units µg/L							
SampID: MBLK-233588											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/20/2025	

Batch 233588		SampType: LCS		Units µg/L							
SampID: LCS-233588											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.65	5.000	0	93.0	85	115	01/20/2025	

Batch 233588		SampType: MS		Units µg/L							
SampID: 24121807-012BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.70	5.000	0	93.9	75	125	01/20/2025	

Batch 233588		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24121807-012BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.69	5.000	0	93.9	4.696	0.05	01/20/2025

Batch 233700		SampType: MBLK		Units µg/L							
SampID: MBLK-233700											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	01/22/2025	

Batch 233700		SampType: LCS		Units µg/L							
SampID: LCS-233700											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.39	5.000	0	87.9	85	115	01/22/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

SW-846 7470A (TOTAL)

Batch 233700		SampType: MS		Units µg/L							
SampID: 24121807-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.56	5.000	0	91.2	75	125	01/22/2025	

Batch 233700		SampType: MSD		Units µg/L						RPD Limit 15		Date Analyzed	
SampID: 24121807-010BMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury			0.20		4.45	5.000	0	89.0	4.561	2.47	01/22/2025		



Receiving Check List

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

Client: Ramboll

Work Order: 24121807

Client Project: NEW-25Q1

Report Date: 20-Feb-25

Carrier: Daniel Crump

Received By: JMD

Completed by:

On:

09-Jan-25

Laura E Henson

Reviewed by:

On:

20-Jan-25

Ellie Hopkins

Pages to follow: Chain of custody **21**

Extra pages included **0**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.7
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 #96651/98858. -JD/ lhenson - 1/9/2025 3:33:40 PM

Samples were received on 1/14/25 at 1740 on ice [2.9C - LTG#5]. Additional Nitric Acid (101262) was needed in APW12, APW16, APW19S, APW22S, G221, G222, and G223 upon arrival at the laboratory. Additional Sodium Hydroxide (99725) was needed in G105, G125, G128, G130, G133, G136, R217D, and G125 Duplicated upon arrival at the laboratory. pH strip #96651/98858. - LH/amberdilallo - 1/15/2025 8:53:34 AM - ehurley - 1/15/2025 11:12:03 AM

Samples were received on 1/15/25 at 1752 on ice [2.7C - LTG#5]. Additional nitric acid (101262) was needed for APW05S, APW10, G220, G231, R219, G220DUP, R219DUP. Additional sodium hydroxide (99725) G106, G217S, G231, R219, A213DUP. Ph strip #99651/98858. Head space present A214 1 of 3 and A215 2 of 3. Equipment Blank 1 was filtered and preserved with nitric acid (101262) and sulfuric acid (100658) for the dissolved parameters upon arrival at the laboratory. AMD/lhenson - 1/16/2025 9:33:26 AM

Samples were received on 1/16/25 at 1420 on ice [9.5/5.1C - LTG#5]. pH strip #96651/98858. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for APW09, APW13, APW14, APW23 and APW23S. Equipment Blank 3 was filtered unpreserved and preserved with Nitric Acid (101262) and Sulfuric Acid (100658) for the dissolved parameters upon arrival at the laboratory. - JD/amberdilallo - 1/16/2025 3:49:05 PM - amberdilallo - 1/16/2025 3:50:45 PM

Samples were received on 1/20/25 at 1520 on ice [6.5, 7.9 and 12.9C - LTG#5]. pH strip #96651/98858. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for APW07, APW15, G06D, G48MG and L1R. Field Blank and Equipment Blank 2 were filtered unpreserved and preserved with Nitric Acid (101262) and Sulfuric Acid (100658) for dissolved parameters upon arrival at the laboratory. JD - amberdilallo - 1/20/2025 4:09:29 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: 4 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448		Purchase Order No.:		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Project Name:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Number:		Project Manager:			
Requested Due Date/TAT: 10 day				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes				MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.
		SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRAWING WATER DW	WATER WT	WASTE WATER WW			PRODUCT SOLID SL	OTHER SOLID OL			WIP WP	AIR AR	CT	TS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl		NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME	ACCEPTED BY / AFFILIATION				DATE		TIME	SAMPLE CONDITIONS																		
NEW-25Q1 Rev 0		21 SS				1-9		1400	Justin Davis				1/9/25		14:00	> z																		

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 Davis					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 1-9-25					

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Galt					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-9-25				

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Page: 1 of 6

SAMPLER NAME AND SIGNATURE		Temp in °C 18.2	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-3-25				

2.9 w/ correction
Factor. 8m 1/15/25

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Page: 2 of 6

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

Page: 3 of 6

[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: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-4-25				

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Page: 4 of 6







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: [Signature]	DATE Signed (MM/DD/YY): 1-13-25				

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: 5 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes		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.			
		DRINKING WATER	WATER			WASTE WATER	PRODUCT			SL	OL	WP	AR	OT	TS	OTHER	Unpreserved		H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NE-501	NEW-NPDES-501	NEW-SUP-000
		DW	WT			WW	P			SL	OL	WP	AR	OT	TS	OTHER	Unpreserved		H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NE-501	NEW-NPDES-501	NEW-SUP-000
1	G232				WT	G			6	2	1	2		1								X	X											24121807-065	
2	G233				WT	G	1/14/25	954	6	2	1	2		1								X	X											24121807-066	
3	G234				WT	G	1/14/25	1038	5	2	1	1		1										X										24121807-067	
4	G48MG				WT	G			2	1		1										X												24121807-068	
5	L1R				WT	G			2	1		1										X		X										24121807-069	
6	L201				WT	G			0															X										24121807-070	
7	L202				WT	G			0															X										24121807-071	
8	L203				WT	G			0															X										24121807-072	
9	L204				WT	G			0															X										24121807-073	
10	L205				WT	G			0															X										24121807-074	
11	L301				WT	G			2	1		1										X													24121807-075
12	R217D				WT	G	1/14/25	1138	14	7	1	2	3	1									X	X											24121807-076
13	R219				WT	G			14	7	1	2	3	1										X											24121807-077
14	SG02				WT	G			0													X				X									24121807-078
15	XSG01				WT	G			0													X				X									24121807-079
16	Field Blank				WT	G			14	7	1	2	3	1								X	X	X	X	X	X	X	X	X	X	X	X		24121807-080

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
NEW-25Q1 Rev 0		Justin Carroll		1/14/25		1740		Union Greaves		1/14/25		1740		Temp in °C Received on Ice (Y/N) Cooled Sealed Cooler (Y/N) Samples intact (Y/N)			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Cooled Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Justin Carroll	Justin Carroll				

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Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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Page: 1 of 6

REGULATORY AGENCY

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE _____

TIME

ACCEPTED BY / AFFILIATION

DATE _____

TIME

SAMPLE CONDITIONS

NEW-25Q1 Rev 0

Henry Carroll

4/15/25

1752

[Signature]

V15125

175216

2	1	6	5
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SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
(MM/DD/YY)

1-15-25

Temp in °C

Received on

Custody

Cooler (Y/N)

Samples
Intact (Y/N)

- PR 9667/9858 AMS 1/16/25

- HS present A214 1/3, A215 2/3,

- added NaOH (99725) G106, G2175, G231, R219, A213 DUF

U# 1/6/25

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 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Tracy Carrol		DATE Signed (MM/DD/YY): 1/15/25	
SIGNATURE of SAMPLER: Tracy Carrol			
Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

Page: 4 of 6

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRNT Name of SAMPLER: Justin Galt					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-5-25				

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

Page: 5 of 6

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRNT Name of SAMPLER: <i>Bre H Gilliam</i>					
SIGNATURE OF SAMPLER: <i>Bre H Gilliam</i>	DATE Signed (MM/DD/YY): <i>1-15-25</i>				

24121807

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: 6 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOIL/SOLID SL OIL WP WIPE AR AIR OT OTHER TS	MATRIX	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	NEW-257-501	NEW-257-502		NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000									
1	A213 Duplicate	WT	G	1/15/25	953				14	7	1	2	3	1																				24121807-081	
2	APW02 Duplicate	WT	G						4	2		2																						24121807-082	
3	APW19S Duplicate	WT	G						3	1		2																						24121807-083	
4	G104 Duplicate	WT	G						5	2	1	1		1																				24121807-084	
5	G125 Duplicate	WT	G						5	2	1	1		1																				24121807-085	
6	G220 Duplicate	WT	G	1/15/25	1362				2	1		1																						24121807-086	
7	G48MG Duplicate	WT	G						2	1		1																						24121807-087	
8	R219 Duplicate	WT	G	1-15-25	1300				14	7	1	2	3	1																				24121807-088	
9	Equipment Blank 1	WT	G	1/15/25	1600				14	7	1	2	3	1																				24121807-089	
10	Equipment Blank 2	WT	G						14	7	1	2	3	1																				24121807-090	
11	Equipment Blank 3	WT	G						14	7	1	2	3	1																				24121807-091	
12																																			
13																																			
14																																			
15																																			
16																																			
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS															
NEW-25Q1 Rev 0				Juan Carroll				1/15/25		1752		[Signature]				1/15/25		1752		> z															

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed/Coded (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Trey Carroll</i>							
SIGNATURE of SAMPLER: <i>J. Carroll</i> DATE Signed (MM/DD/YY): <i>1/15/25</i>							

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

Page: 2 of 6

Company: Vistra Corp-Newton		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp			
Newton, IL 62448			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:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOL/SOLID SL OIL WP WIPE OR AIR TS OTHER	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_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501				NEW-SUP-000					
1	APW14		WT	G	1-16-25	1047		3	1	2							X															24121807-017	
2	APW15		WT	G	1-16-25			3	1	2							X															24121807-018	
3	APW16		WT	G				3	1	2							X															24121807-019	
4	APW17		WT	G				3	1	2							X															24121807-020	
5	APW18		WT	G				3	1	2							X															24121807-021	
6	APW19S		WT	G				3	1	2																						24121807-022	
7	APW20S		WT	G				3	1	2																						24121807-023	
8	APW21S		WT	G				3	1	2																						24121807-024	
9	APW22S		WT	G				3	1	2																						24121807-025	
10	APW23		WT	G	1-16-25	0949		3	1	2																						24121807-026	
11	APW23S		WT	G	1-16-25	0923		3	1	2																						24121807-027	
12	G06D		WT	G				2	1	1								X														24121807-028	
13	G104		WT	G				5	2	1	1		1																			24121807-029	
14	G104D		WT	G				0																									24121807-030
15	G104S		WT	G				0																									24121807-031
16	G105		WT	G				5	2	1	1		1																			24121807-032	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																				
NEW-25Q1 Rev 0			[Signature]			1-16	1420	[Signature]			1/16/25	1420	> z																				

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: [Signature]	DATE Signed (MM/DD/YY): 1-16-25				

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Samples
intact (Y/N)

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: 6 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Phone: (217) 753-8911		Fax:		Project Name:		Site Location	
Requested Due Date/TAT: 10 day		Project Number:		Project Manager:		STATE: IL	
				Profile #:			

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		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								$\downarrow$ Analysis Test $\uparrow$	Requested Analysis Filtered (Y/N)									
		MATRIX												Preservatives																		
		DRINKING WATER	DW	WT	WATER	WW	P			WASTE WATER	SL			OL	WP	AR	OT	IS	Unpreserved	H ₂ SO ₄	HNO ₃		HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501
PRODUCT SOLID/SOLID																																
AIR																																
WIPE																																
OTHER																																
1	A213 Duplicate	WT	G										14	7	1	2	3	1				X		X								24121807-081
2	APW02 Duplicate	WT	G										4	2		2										X						24121807-082
3	APW19S Duplicate	WT	G										3	1		2											X					24121807-083
4	G104 Duplicate	WT	G										5	2	1	1		1							X							24121807-084
5	G125 Duplicate	WT	G										5	2	1	1		1							X							24121807-085
6	G220 Duplicate	WT	G										2	1		1								X								24121807-086
7	G48MG Duplicate	WT	G										2	1		1							X									24121807-087
8	R219 Duplicate	WT	G										14	7	1	2	3	1						X								24121807-088
9	Equipment Blank 1	WT	G										14	7	1	2	3	1				X	X	X	X	X	X	X	X	X		24121807-089
10	Equipment Blank 2	WT	G										14	7	1	2	3	1				X	X	X	X	X	X	X	X	X		24121807-090
11	Equipment Blank 3	WT	G										14	7	1	2	3	1				X	X	X	X	X	X	X	X	X		24121807-091
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS

NEW-25Q1 Rev 0 [Signature] 1-16 1420 Jmae Ocells 1/16/15 1420 Y N

As per Justin Colep. Ann
1/16/25

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 GLO					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 1-16-25				

6.5, 7.9, 12.9 #5
Ice
★ Added HNO3 (100262)
JP 11/20/25
PA 96657
98858

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448				Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:	
				REGULATORY AGENCY	
				NPDES GROUND WATER DRINKING WATER	
				UST RCRA OTHER	
				Site Location IL	
				STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID/SOLID SL OIL OL WIPE WP AIR AR OTHER TS	MATRIX (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502		NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

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: [Signature]		DATE Signed (MM/DD/YYYY): 1-20-25					

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

Page: 2 of 6

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 Cap					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-20-25				

24121807

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: **Vistra Corp-Newton**
Address: **6725 N. 500th St**
Newton, IL 62448
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B

Required Project Information:

Report To: **Brian Voelker**
Copy To: **Terry Hanratty - Terry.Hanratty@vistracorp.com**
Purchase Order No.:
Project Name:
Project Number:

Section C

Invoice Information:

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

Page: 5 of 6

Section D Required Client Information		Valid Matrix Codes		COLLECTED		Preservatives		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.				
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX DRINKING WATER DW WATER WW WASTE WATER P PRODUCT SOIL/SOLID SL OIL WP WIPE AR AIR CT OTHER TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)		
1	G232		WT	G				6	2	1	2	1						X	X									24121807-065
2	G233		WT	G				6	2	1	2	1						X	X									24121807-066
3	G234		WT	G				5	2	1	1	1							X									24121807-067
4	G48MG		WT	G	1-20-25	1258		2	1		1							X										24121807-068
5	L1R		WT	G	1-20-25	1154		2	1		1							X		X								24121807-069
6	L201		WT	G				0												X								24121807-070
7	L202		WT	G				0												X								24121807-071
8	L203		WT	G				0												X								24121807-072
9	L204		WT	G				0												X								24121807-073
10	L205		WT	G				0												X								24121807-074
11	L301		WT	G	1-20-25	1143		2	1		1							X										24121807-075
12	R217D		WT	G				14	7	1	2	3	1					X	X									24121807-076
13	R219		WT	G				14	7	1	2	3	1						X									24121807-077
14	SG02		WT	G				0										X			X							24121807-078
15	XSG01		WT	G				0										X			X							24121807-079
16	Field Blank		WT	G	1-20-25	1220		14	7	1	2	3	1					X	X	X	X	X	X	X	X			24121807-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-25Q1 Rev 0	21 SG	1-20	1520	OMA - O'Call	1/20/25	1500				

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 Calo	DATE Signed (MM/DD/YY): 1-20-25				

24121807

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: 6 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				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:		Site Location	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.	
		DRINKING WATER	WATER			WASTE WATER	PRODUCT			SOLIDS	OIL	WIPE	AIR	OTHER	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH		Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501			NEW-SUP-000
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE						DATE	TIME																										
1	A213 Duplicate	WT	G						14	7	1	2	3	1																			24121807-081
2	APW02 Duplicate	WT	G						4	2		2									X				X		X						24121807-082
3	APW19S Duplicate	WT	G						3	1		2													X		X						24121807-083
4	G104 Duplicate	WT	G			1-20-25	1221		5	2	1	1		1										X									24121807-084
5	G125 Duplicate	WT	G						5	2	1	1		1										X									24121807-085
6	G220 Duplicate	WT	G						2	1		1											X										24121807-086
7	G48MG Duplicate	WT	G			1-20-25	1258		2	1		1									X												24121807-087
8	R219 Duplicate	WT	G						14	7	1	2	3	1									X										24121807-088
9	Equipment Blank 1	WT	G						14	7	1	2	3	1							X	X	X	X	X	X	X	X					24121807-089
10	Equipment Blank 2	WT	G			1-20-25	1320		14	7	1	2	3	1							X	X	X	X	X	X	X	X					24121807-090
11	Equipment Blank 3	WT	G						14	7	1	2	3	1							X	X	X	X	X	X	X	X					24121807-091
12																																	
13																																	
14																																	
15																																	
16																																	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS															
NEW-25Q1 Rev 0		2-1 30				1-20		1520		Unlabeled				1/20/25		1520		Y Z															

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Cab		DATE Signed (MM/DD/YY): 1-20-25	
SIGNATURE of SAMPLER: Justin Cab			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

February 17, 2025

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: NEW-25Q1

WorkOrder: 24121808

Dear Eric Bauer:

TEKLAB, INC received 30 samples on 1/20/2025 3:20:00 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: 24121808

Client Project: NEW-25Q1

Report Date: 17-Feb-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	37
Receiving Check List	38
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 24121808**Client Project:** NEW-25Q1**Report Date:** 17-Feb-25

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: 24121808

Client Project: NEW-25Q1

Report Date: 17-Feb-25

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: 24121808

Client Project: NEW-25Q1

Report Date: 17-Feb-25

Cooler Receipt Temp: 2.9 °C

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

APW06 collection time per field file. EAH 1/24/25

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: 24121808

Client Project: NEW-25Q1

Report Date: 17-Feb-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	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	8/31/2025	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		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-001
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW02
Collection Date: 01/14/2025 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:12	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-002
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW03
Collection Date: 01/16/2025 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:12	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-003
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25

Client Sample ID: APW04

Collection Date: 01/15/2025 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	02/04/2025 12:12	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-004
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW05
Collection Date: 01/15/2025 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:12	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-005
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW05S
Collection Date: 01/15/2025 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:12	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-006
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW06
Collection Date: 01/15/2025 13:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:07	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-007
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW07
Collection Date: 01/20/2025 12:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:07	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-008
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW08
Collection Date: 01/14/2025 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:07	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-009
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW09
Collection Date: 01/16/2025 9:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:07	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-010
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW10
Collection Date: 01/15/2025 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:07	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-011
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW11
Collection Date: 01/13/2025 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:08	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-012
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW12
Collection Date: 01/13/2025 11:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:08	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-013
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25

Client Sample ID: APW13

Collection Date: 01/16/2025 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:08	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-014
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW14
Collection Date: 01/16/2025 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/04/2025 12:08	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-015
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW15
Collection Date: 01/20/2025 11:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:31	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-016
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW16
Collection Date: 01/14/2025 13:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:31	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-017
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW17
Collection Date: 01/13/2025 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:53	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-018
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW18
Collection Date: 01/13/2025 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:53	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-019
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW19S
Collection Date: 01/14/2025 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:53	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-020
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW20S
Collection Date: 01/14/2025 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:32	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-021
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW21S
Collection Date: 01/13/2025 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:53	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-022
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW22S
Collection Date: 01/13/2025 11:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:52	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-023
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW23
Collection Date: 01/16/2025 9:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:52	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-024
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW23S
Collection Date: 01/16/2025 9:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:52	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-025
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: Field Blank
Collection Date: 01/20/2025 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 16:52	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-026
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW02 Duplicate
Collection Date: 01/14/2025 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:33	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-027
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: APW19S Duplicate
Collection Date: 01/14/2025 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:33	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-028
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: Equipment Blank 1
Collection Date: 01/15/2025 16:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:27	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-029
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: Equipment Blank 2
Collection Date: 01/20/2025 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/05/2025 11:27	R360320



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-25Q1
Lab ID: 24121808-030
Matrix: GROUNDWATER

Work Order: 24121808
Report Date: 17-Feb-25
Client Sample ID: Equipment Blank 3
Collection Date: 01/16/2025 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	02/05/2025 11:28	R360320



Sample Summary

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

Client: Ramboll
Client Project: NEW-25Q1

Work Order: 24121808
Report Date: 17-Feb-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24121808-001	APW02	Groundwater	1	01/14/2025 11:50
24121808-002	APW03	Groundwater	1	01/16/2025 10:03
24121808-003	APW04	Groundwater	1	01/15/2025 12:30
24121808-004	APW05	Groundwater	1	01/15/2025 11:41
24121808-005	APW05S	Groundwater	1	01/15/2025 10:51
24121808-006	APW06	Groundwater	1	01/15/2025 13:57
24121808-007	APW07	Groundwater	1	01/20/2025 12:07
24121808-008	APW08	Groundwater	1	01/14/2025 13:18
24121808-009	APW09	Groundwater	1	01/16/2025 9:36
24121808-010	APW10	Groundwater	1	01/15/2025 13:08
24121808-011	APW11	Groundwater	1	01/13/2025 11:09
24121808-012	APW12	Groundwater	1	01/13/2025 11:38
24121808-013	APW13	Groundwater	1	01/16/2025 10:20
24121808-014	APW14	Groundwater	1	01/16/2025 10:47
24121808-015	APW15	Groundwater	1	01/20/2025 11:12
24121808-016	APW16	Groundwater	1	01/14/2025 13:59
24121808-017	APW17	Groundwater	1	01/13/2025 12:54
24121808-018	APW18	Groundwater	1	01/13/2025 14:13
24121808-019	APW19S	Groundwater	1	01/14/2025 12:31
24121808-020	APW20S	Groundwater	1	01/14/2025 11:04
24121808-021	APW21S	Groundwater	1	01/13/2025 12:16
24121808-022	APW22S	Groundwater	1	01/13/2025 11:22
24121808-023	APW23	Groundwater	1	01/16/2025 9:49
24121808-024	APW23S	Groundwater	1	01/16/2025 9:23
24121808-025	Field Blank	Groundwater	1	01/20/2025 12:20
24121808-026	APW02 Duplicate	Groundwater	1	01/14/2025 11:50
24121808-027	APW19S Duplicate	Groundwater	1	01/14/2025 12:31
24121808-028	Equipment Blank 1	Groundwater	1	01/15/2025 16:00
24121808-029	Equipment Blank 2	Groundwater	1	01/20/2025 13:20
24121808-030	Equipment Blank 3	Groundwater	1	01/16/2025 11:40



Receiving Check List

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

Client: Ramboll

Work Order: 24121808

Client Project: NEW-25Q1

Report Date: 17-Feb-25

Carrier: Tracy Carroll

Received By: AMD

Completed by:

On:

15-Jan-25

Amber Dilallo

Reviewed by:

On:

20-Jan-25

Ellie Hopkins

Pages to follow: Chain of custody

21

Extra pages included

36

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 2.9
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.

Samples were received on 1/14/25 at 1740 on ice [2.9C - LTG#5]. Additional Nitric Acid (101262) was needed in APW08, APW12, APW16, and APW20S upon arrival at the laboratory. pH strip #96651. - LH/amberdilallo - 1/15/2025 9:12:15 AM - ehurley - 1/15/2025 11:14:14 AM

Samples were received on 1/15/25 at 1752 on ice [2.5C - LTG#5]. Additional nitric acid (101262) was needed in APW04 and APW05 - lhenson - 1/16/2025 8:32:42 AM

Samples were received on 1/16/25 at 1420 on ice [9.5/5.1C - LTG#5]. pH strip #96651. Additional Nitric Acid (101262) was needed upon arrival at the laboratory. - JD/amberdilallo - 1/16/2025 4:08:12 PM

Samples were received on 1/20/25 at 15.20 on ice [6.5C, 7.9C, 12.9C - LTG#5]. Ph# 96651. Additional nitric acid (101262) was needed upon arrival at the laboratory for sample APW15. - lhenson - 1/20/2025 3:36:08 PM

24121808

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

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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Page: 5 of 6

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WW WASTE WATER P PRODUCT SL OL SOIL/SOLID WP AR OIL OT WIPE TS AIR OTHER	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)								Radium 226/228, only										
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000									Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G232		WT	G	19-LS	1104		0									X	X												N/A					
2	G233		WT	G				0									X	X												N/A					
3	G234		WT	G				0										X												N/A					
4	G48MG		WT	G				0									X													N/A					
5	L1R		WT	G				0											X											N/A					
6	L201		WT	G				0											X											N/A					
7	L202		WT	G				0											X											N/A					
8	L203		WT	G				0											X											N/A					
9	L204		WT	G				0											X											N/A					
10	L205		WT	G				0											X											N/A					
11	L301		WT	G				0										X												N/A					
12	R217D		WT	G				0										X	X											N/A					
13	R219		WT	G				0										X												N/A					
14	SG02		WT	G				0									X			X										N/A					
15	XSG01		WT	G				0									X			X										N/A					
16	Field Blank		WT	G				2									X	X	X	X	X	X	X							24121808-025					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																						
NEW-25Q1 Rev 0			Zy SD			1-9	1400	Jose Davis			1/9/25	14:00	> z																						

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>LJHm Gsp</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>1-9-25</i>				

CHAIN-OF-CUSTODY / Analytical Request Document

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

24121808

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes		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)										Radium 226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		DRINKING WATER DW WT	WATER VW P			WASTE WATER WW P	PRODUCT SL OL WP AR OT TS			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH		Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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added HNO3(10/26/2)

PHV 96651

14 1/5/25

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:	SIGNATURE of SAMPLER:				
Justin Cap	[Signature]				
DATE Signed (MM/DD/YY): 1-13-25					

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cap					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 11-13-75				

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Page: 3 of 6

ITEM #	Section D Required Client Information	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes DROPPING WATER DW WT WATER WW P WASTE WATER WWP PRODUCT SOLID SL OL WP AR OT TS WIPE AIR OTHER	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)								Radium 226/228, only		
						DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1		G106		WT	G				0										X								N/A	
2		G109		WT	G				0										X								N/A	
3		G111		WT	G				0										X								N/A	
4		G112		WT	G				0										X								N/A	
5		G113		WT	G				0										X								N/A	
6		G114		WT	G				0										X								N/A	
7		G115		WT	G				0										X								N/A	
8		G116		WT	G	1-14-25	0922		0										X		X						N/A	
9		G117		WT	G				0										X								N/A	
10		G118		WT	G				0										X								N/A	
11		G119		WT	G				0										X								N/A	
12		G120		WT	G				0										X								N/A	
13		G125		WT	G	1-14-25	1002		0										X								N/A	
14		G128		WT	G	1-14-25	957		0										X								N/A	
15		G130		WT	G	1-14-25	1056		0										X								N/A	
16		G133		WT	G	1-14-25	1134		0										X								N/A	
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS													
NEW-25Q1 Rev 0				Jenny Carroll			1/14/25	1740	Sharon O'Connell				1/14/25	1740	> z													

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 Colp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-14-25				

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Page: 4 of 6

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Infect (Y/N)
PRINT Name of SAMPLER: Justin Cobb					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 1-13-25				

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Page: 5 of 6

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		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Radium: 226/228, only		
		MATRIX								DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.					
		DRINKING WATER DW	WATER WW	WASTE WATER WP	PRODUCT SOLID/SOLID SL	OIL AR	WIPE OT																									AIR TR	OTHER				
1	G232	WT	G									0							X	X									N/A								
2	G233	WT	G									0							X	X									N/A								
3	G234	WT	G									0								X									N/A								
4	G48MG	WT	G									0							X										N/A								
5	L1R	WT	G									0							X		X								N/A								
6	L201	WT	G									0									X								N/A								
7	L202	WT	G									0									X								N/A								
8	L203	WT	G									0									X								N/A								
9	L204	WT	G									0									X								N/A								
10	L205	WT	G									0									X								N/A								
11	L301	WT	G									0							X										N/A								
12	R217D	WT	G									0							X	X									N/A								
13	R219	WT	G									0								X									N/A								
14	SG02	WT	G									0							X			X							N/A								
15	XSG01	WT	G									0							X			X							N/A								
16	Field Blank	WT	G									2							X	X	X	X	X	X	X	X			24121808-025								
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																					
NEW-25Q1 Rev 0		Jenny Carter			1/14/25		1740		Sharon Owens			1/14/25		1740		> z																					

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 Gap					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 1/4/25				

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

Page: 6 of 6

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>Justin Gp</u> SIGNATURE of SAMPLER: <u>[Signature]</u>		DATE Signed (MM/DD/YY): <u>1-13-25</u>	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Page: 1 of 6

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 Colp					
SIGNATURE of SAMPLER: <i>Justin Colp</i>	DATE Signed (MM/DD/YY): 1-15-25				

LA 4/5/25

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

Page: 3 of 6

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WW WASTE WATER WWP PRODUCT SOLID/SOLID SL OIL OL WIPE WP AIR AR OTHER TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test #	Requested Analysis Filtered (Y/N)										Radium 226/228, only	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G106	WT	G	1/15/25	1141		0									X								N/A					
2	G109	WT	G				0									X								N/A					
3	G111	WT	G				0									X								N/A					
4	G112	WT	G				0									X								N/A					
5	G113	WT	G				0									X								N/A					
6	G114	WT	G				0									X								N/A					
7	G115	WT	G				0									X								N/A					
8	G116	WT	G				0									X		X						N/A					
9	G117	WT	G				0									X								N/A					
10	G118	WT	G				0									X								N/A					
11	G119	WT	G				0									X								N/A					
12	G120	WT	G				0									X								N/A					
13	G125	WT	G				0									X								N/A					
14	G128	WT	G				0									X								N/A					
15	G130	WT	G				0									X								N/A					
16	G133	WT	G				0									X								N/A					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																
NEW-25Q1 Rev 0			Jenny Arnold			1/15/25	1752	ZC			1/15/25	1752	> z																

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: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1/15/25				

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Page: 4 of 6

Page: 4 of 6

Company: Vistra Corp-Newton		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp			
Newton, IL 62448			Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Matrix Codes Drinking Water DW Water WW Waste Water WP Product Solid SL Oil OL Wipe AR Air TS Other	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)										Radium 226/228, only	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G136	WT	G				0										X						N/A						
2	G139	WT	G				0										X						N/A						
3	G141	WT	G				0										X						N/A						
4	G201	WT	G				0																N/A						
5	G202	WT	G				0										X						N/A						
6	G203	WT	G				0										X						N/A						
7	G208	WT	G				0										X						N/A						
8	G217S	WT	G		1-15-25	0929	0											X					N/A						
9	G220	WT	G		1-15-25	1302	0										X						N/A						
10	G221	WT	G				0											X					N/A						
11	G222	WT	G				0										X						N/A						
12	G223	WT	G				0										X						N/A						
13	G224	WT	G				0										X						N/A						
14	G225	WT	G		1-15-25	1007	0											X					N/A						
15	G230	WT	G				0										X	X					N/A						
16	G231	WT	G		1-15-25	1203	0										X	X					N/A						
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																
NEW-25Q1 Rev 0			Juan Farrell			1/15/25	1752				1/15/25	1752	> z																

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 Cap					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-15-25				

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Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
Newton, IL 62448				Address: see Section A			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Phone: (217) 753-8911		Fax:		Project Name:		Site Location STATE: IL	
Requested Due Date/TAT: 10 day		Project Number:		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW P PRODUCT SOLID/SOLID SL CL WP AR OT TS OIL WIPE AIR OTHER	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)										Radium 226/228, only	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G232	WT	G				0								X	X							N/A						
2	G233	WT	G				0								X	X							N/A						
3	G234	WT	G				0									X							N/A						
4	G48MG	WT	G				0								X								N/A						
5	L1R	WT	G				0								X		X						N/A						
6	L201	WT	G				0										X						N/A						
7	L202	WT	G				0										X						N/A						
8	L203	WT	G				0										X						N/A						
9	L204	WT	G				0										X						N/A						
10	L205	WT	G				0										X						N/A						
11	L301	WT	G				0								X								N/A						
12	R217D	WT	G				0								X	X							N/A						
13	R219	WT	G	1-1525	1300		0									X							N/A						
14	SG02	WT	G				0								X			X					N/A						
15	XSG01	WT	G				0								X								N/A						
16	Field Blank	WT	G				2					2			X	X	X	X	X	X	X		24121808-025						
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																	
NEW-25Q1 Rev 0		<i>Diana Carroll</i>			1/15/25	1752	<i>[Signature]</i>			1/15/25	1752	y z																	
SAMPLER NAME AND SIGNATURE												Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)														
PRINT Name of SAMPLER: <i>Brette Gillman</i>																													
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YYYY): <i>1-15-25</i>																													

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: 6 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE: IL	
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Radium 226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		DRINKING WATER	DW			WT	WATER			WW	P	WASTE WATER	SL	OL	WP	AR	CT		TS	PRODUCT SOLID/SOLID	Oil	WIPE	AIR	OTHER	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE					DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-25Q1 Rev 0	<i>Jessy Carroll</i>	1/15/25	1752	<i>[Signature]</i>	1/15/25	1752	Y Z

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Jessy Carroll</i>					
SIGNATURE of SAMPLER: <i>Jessy Carroll</i> DATE Signed (MM/DD/YY): 1/15/25					

PH 96651

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24121808

Page: 1 of 6

Required Client Information:

Required Project Information:

Invoice information:

Company: Vistra Corp-Newton		Report To: Brian Voelker	Attention: Brian Voelker	<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td rowspan="2">IL</td> <td rowspan="2"></td> </tr> <tr> <td>STATE:</td> </tr> </table>			REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:
REGULATORY AGENCY																			
NPDES	GROUND WATER	DRINKING WATER																	
UST	RCRA	OTHER																	
Site Location	IL																		
STATE:																			
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp																
Newton, IL 62448			Address: see Section A																
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:																
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:																
Requested Due Date/TAT: 10 day		Project Number:	Profile #:																

ITEM #	Section D Required Client Information	Valid matrix codes MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SL SOIL/SOLID QL AIR WP WIPE AR OTHER 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)							Radium 226/228, only		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A213	WT	G				0										X						N/A				
2	A214	WT	G				0										X						N/A				
3	A215	WT	G				0										X						N/A				
4	APW02	WT	G				2		2								X		X	X			24121808-001				
5	APW03 *	WT	G	1-16-27	1003		2		2								X		X	X			24121808-002				
6	APW04	WT	G				2		2								X		X	X			24121808-003				
7	APW05	WT	G				2		2								X	X	X				24121808-004				
8	APW05S	WT	G				2		2								X		X				24121808-005				
9	APW06	WT	G				2		2								X	X	X				24121808-006				
10	APW07	WT	G				2		2								X		X				24121808-007				
11	APW08	WT	G				2		2								X		X				24121808-008				
12	APW09 *	WT	G	1-16-27	936		2		2								X		X				24121808-009				
13	APW10	WT	G				2		2								X		X				24121808-010				
14	APW11	WT	G				2		2								X		X				24121808-011				
15	APW12	WT	G				2		2								X		X				24121808-012				
16	APW13 *	WT	G	1-16-25	1020		2		2								X		X				24121808-013				
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS														
NEW-25Q1 Rev 0			22 GP			1-16	1420				1/16/25		1420	> z													

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): 1-16-25				

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Page: 2 of 6

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-25Q1 Rev 0	[Signature]	1-16	1420	[Signature]	1/16/15	1420	>	z		

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: [Signature]	DATE Signed (MM/DD/YY): 1-16-25				

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Page: 4 of 6

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WT WATER WW P WASTE WATER PRODUCT SOLID SL OL WP AR CT TS OIL WIPE AIR OTHER	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)										Radium 226/228, only	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G136	WT G					0											X					N/A						
2	G139	WT G					0																N/A						
3	G141	WT G					0											X					N/A						
4	G201	WT G			1/16/25	DRY	0																N/A						
5	G202	WT G					0											X					N/A						
6	G203	WT G					0											X					N/A						
7	G208	improperly	WT G		1-16-25	N/A	0											X					N/A						
8	G217S	WT G					0												X				N/A						
9	G220	WT G					0											X					N/A						
10	G221	WT G					0												X				N/A						
11	G222	WT G					0											X					N/A						
12	G223	WT G					0											X					N/A						
13	G224	WT G					0											X					N/A						
14	G225	WT G					0												X				N/A						
15	G230	WT G					0											X	X				N/A						
16	G231	WT G					0											X	X				N/A						
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																
NEW-25Q1 Rev 0			[Signature]			1-16	1420	[Signature]			1/16/25	1420	> z																

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: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 11/16/25				

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: 6 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
Newton, IL 62448				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:		Site Location	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Matrix Codes (see valid codes to left)	MATRIX CODE	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Radium 226/228, only	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		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000						
1	A213 Duplicate	WT	G				0																							N/A	
2	APW02 Duplicate	WT	G				2		2																					24121808-026	
3	APW19S Duplicate	WT	G				2		2																					24121808-027	
4	G104 Duplicate	WT	G				0																							N/A	
5	G125 Duplicate	WT	G				0																							N/A	
6	G220 Duplicate	WT	G				0																							N/A	
7	G48MG Duplicate	WT	G				0																							N/A	
8	R219 Duplicate	WT	G				0																							N/A	
9	Equipment Blank 1	WT	G				2		2																					24121808-028	
10	Equipment Blank 2	WT	G			1-16-25	1140		2																					24121808-029	
11	Equipment Blank 3	WT	G				2		2																					24121808-030	
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
NEW-25Q1 Rev 0		[Signature]		1-16	1420	[Signature]		1/16/25	1420	Y Z	

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 Giv					
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 1-16-25					

24121808

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: **Vistra Corp-Newton**
Address: **6725 N. 500th St**
Newton, IL 62448
Email To: **Brian.Voelker@VistraCorp.com**
Phone: (217) 753-8911 Fax:
Requested Due Date/TAT: **10 day**

Section B

Required Project Information:

Report To: **Brian Voelker**
Copy To: **Terry Hanratty - Terry.Hanratty@vistracorp.com**
Purchase Order No.:
Project Name:
Project Number:

Section C

Invoice Information:

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

Page: 1 of 6

Section D Required Client Information		MATRIX		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)												Radium 226/228, only									
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER WATER WASTE WATER PRODUCT OIL WIPE AIR OTHER	DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No / Lab I.D.	
1	A213			WT	G				0																				N/A
2	A214			WT	G				0																				N/A
3	A215			WT	G				0																				N/A
4	APW02			WT	G				2		2								X				X	X	X				24121808-001
5	APW03			WT	G				2		2								X				X	X	X				24121808-002
6	APW04			WT	G				2		2								X				X	X	X				24121808-003
7	APW05			WT	G				2		2								X				X	X	X				24121808-004
8	APW05S			WT	G				2		2								X				X		X				24121808-005
9	APW06			WT	G				2		2								X				X	X	X				24121808-006
10	APW07			WT	G	1-20-25	1207		2		2								X				X		X				24121808-007
11	APW08			WT	G				2		2								X				X		X				24121808-008
12	APW09			WT	G				2		2								X				X		X				24121808-009
13	APW10			WT	G				2		2								X				X		X				24121808-010
14	APW11			WT	G				2		2								X				X		X				24121808-011
15	APW12			WT	G				2		2								X				X		X				24121808-012
16	APW13			WT	G				2		2								X				X		X				24121808-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-25Q1 Rev 0	221 SP	1-20	1500	[Signature]	1-20-25	1520	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:	Justin Galt				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	1-20-25		

PNV 916051
added HNO₃ (101262) to APW 15

LT 1/20/25

6.5
7.9
12.9
LTG 5

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

Page: 2 of 6

ITEM #	Section D Required Client Information	VARIABLE MATRIX CODES	MATRIX	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Radium 226/228, only		
									Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502		NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.					
1	APW14	WT	G		1-20-25	1112		2		2								X														24121808-014
2	APW15	WT	G					2		2								X														24121808-015
3	APW16	WT	G					2		2								X														24121808-016
4	APW17	WT	G					2		2								X														24121808-017
5	APW18	WT	G					2		2								X														24121808-018
6	APW19S	WT	G					2		2														X	X							24121808-019
7	APW20S	WT	G					2		2														X	X							24121808-020
8	APW21S	WT	G					2		2														X	X							24121808-021
9	APW22S	WT	G					2		2														X	X							24121808-022
10	APW23	WT	G					2		2														X	X							24121808-023
11	APW23S	WT	G					2		2														X	X							24121808-024
12	G06D	WT	G		1-20-25	1129		0										X														N/A
13	G104	WT	G		1-20-25	1221		0												X												N/A
14	G104D	WT	G					0													X											N/A
15	G104S	WT	G					0													X											N/A
16	G105	WT	G					0													X											N/A
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																		
NEW-25Q1 Rev 0		21 SO		1-20		1520		21		1/20/25		1520		21																		

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 Colp					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 6-22-25				

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

Page: 5 of 6

ITEM #	Section D Required Client Information	Valid Matrix Codes Drinking Water DW Water WW Waste Water P Product Solid/Solid SL Oil WP Wipe AR Air OT Other TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NE-501	NEW-NPDES-501	NEW-SUP-000	Residual Chlorine (Y/N)	Project No. / Lab I.D.							
1	G232		WT	G				0																										N/A
2	G233		WT	G				0																										N/A
3	G234		WT	G				0																										N/A
4	G48MG		WT	G	1-20-25	1259		0																										N/A
5	L1R		WT	G	1-20-25	1154		0																										N/A
6	L201		WT	G				0																										N/A
7	L202		WT	G				0																										N/A
8	L203		WT	G				0																										N/A
9	L204		WT	G				0																										N/A
10	L205		WT	G				0																										N/A
11	L301		WT	G	1-20-25	1143		0																										N/A
12	R217D		WT	G				0																										N/A
13	R219		WT	G				0																										N/A
14	SG02		WT	G				0																										N/A
15	XSG01		WT	G				0																										N/A
16	Field Blank		WT	G	1-20-25	1220		2																										24121808-025
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
NEW-25Q1 Rev 0			221 30			1-20	1520	221 30			1-20	1520	> z																					

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 Cop					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-20-25				

24121808

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: 6 of 6	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 6725 N. 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp			
Newton, IL 62448				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			
						REGULATORY AGENCY	
						NPDES GROUND WATER DRINKING WATER	
						UST RCRA OTHER	
						Site Location	
						STATE: IL	

ITEM #	Section D Required Client Information	MATRIX CODES (see valid codes to left)	MATRIX	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OIL WIPE AIR OTHER	DW WT WW P SL OL WP AR OT TS					Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other		NEW-257-501 NEW-257-502 NEW-811-502 NEW-811-503 NEW-845-501 NEW-NE-501 NEW-NPDES-501 NEW-SUP-000												
1	A213 Duplicate						0															N/A
2	APW02 Duplicate						2	2		X												24121808-026
3	APW19S Duplicate						2	2														24121808-027
4	G104 Duplicate			1-20-25	1221		0															N/A
5	G125 Duplicate						0															N/A
6	G220 Duplicate						0															N/A
7	G48MG Duplicate			1-20-25	1258		0			X												N/A
8	R219 Duplicate						0															N/A
9	Equipment Blank 1						2	2		X	X	X	X	X	X	X	X					24121808-028
10	Equipment Blank 2			1-20-25	1320		2	2		X	X	X	X	X	X	X	X					24121808-029
11	Equipment Blank 3						2	2		X	X	X	X	X	X	X	X					24121808-030
12																						
13																						
14																						
15																						
16																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-25Q1 Rev 0	<i>[Signature]</i>	1-20	1520	<i>[Signature]</i>	1/20/25	1520	> z

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Gp</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 1-20-25				

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/14/2025 2:19:16 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24121808

JOB NUMBER

160-56981-1

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
2/14/2025 2:19:16 PM

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

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Chain of Custody	6
Receipt Checklists	11
Definitions/Glossary	12
Method Summary	13
Sample Summary	14
Client Sample Results	15
QC Sample Results	30
QC Association Summary	33
Tracer Carrier Summary	35



Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Job ID: 160-56981-1

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

Job ID: 160-56981-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24121808

Report Number: 160-56981-1

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.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

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 1/21/2025 12:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 13.4°C, 15.1°C and 15.9°C.

Receipt Exceptions

The client requested a collection time update for sample 24121808-006. It should be reported as 1357 rather than 1337. The email request is included in the final report for documentation.

Method 903.0 - Radium-226 (GFPC)

Samples 24121808-001 (160-56981-1), 24121808-002 (160-56981-2), 24121808-003 (160-56981-3), 24121808-004 (160-56981-4), 24121808-005 (160-56981-5), 24121808-006 (160-56981-6), 24121808-007 (160-56981-7), 24121808-008 (160-56981-8), 24121808-009 (160-56981-9), 24121808-010 (160-56981-10), 24121808-011 (160-56981-11), 24121808-012 (160-56981-12), 24121808-013 (160-56981-13), 24121808-014 (160-56981-14), 24121808-015 (160-56981-15), 24121808-016 (160-56981-16), 24121808-017 (160-56981-17), 24121808-018 (160-56981-18), 24121808-019 (160-56981-19), 24121808-020 (160-56981-20), 24121808-021 (160-56981-21), 24121808-022 (160-56981-22), 24121808-023 (160-56981-23), 24121808-024 (160-56981-24), 24121808-025 (160-56981-25), 24121808-026 (160-56981-26), 24121808-027 (160-56981-27), 24121808-028 (160-56981-28), 24121808-029 (160-56981-29) and 24121808-030 (160-56981-30) were analyzed for Radium-226 (GFPC). The samples were prepared on 1/23/2025 and analyzed on 2/14/2025.

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Job ID: 160-56981-1

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

Job ID: 160-56981-1 (Continued)

Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)

Samples 24121808-001 (160-56981-1), 24121808-002 (160-56981-2), 24121808-003 (160-56981-3), 24121808-004 (160-56981-4), 24121808-005 (160-56981-5), 24121808-006 (160-56981-6), 24121808-007 (160-56981-7), 24121808-008 (160-56981-8), 24121808-009 (160-56981-9), 24121808-010 (160-56981-10), 24121808-011 (160-56981-11), 24121808-012 (160-56981-12), 24121808-013 (160-56981-13), 24121808-014 (160-56981-14), 24121808-015 (160-56981-15), 24121808-016 (160-56981-16), 24121808-017 (160-56981-17), 24121808-018 (160-56981-18), 24121808-019 (160-56981-19), 24121808-020 (160-56981-20), 24121808-021 (160-56981-21), 24121808-022 (160-56981-22), 24121808-023 (160-56981-23), 24121808-024 (160-56981-24), 24121808-025 (160-56981-25), 24121808-026 (160-56981-26), 24121808-027 (160-56981-27), 24121808-028 (160-56981-28), 24121808-029 (160-56981-29) and 24121808-030 (160-56981-30) were analyzed for Radium-228 (GFPC). The samples were prepared on 1/23/2025 and analyzed on 2/4/2025 and 2/5/2025.

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 24121808-007 (160-56981-7) and 24121808-008 (160-56981-8) .

The detection goal was not met for the following due to the presence of matrix interferences: 24121808-020 (160-56981-20). Analytical results are reported with the detection limit achieved.

The MDC for the following sample(s) is flagged as failing; however, the MDC met the detection goal (requested limit) based on our in House policy for rounding. The laboratory considers the detection goal met when rounding to the appropriate place value.

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

Samples 24121808-001 (160-56981-1), 24121808-002 (160-56981-2), 24121808-003 (160-56981-3), 24121808-004 (160-56981-4), 24121808-005 (160-56981-5), 24121808-006 (160-56981-6), 24121808-007 (160-56981-7), 24121808-008 (160-56981-8), 24121808-009 (160-56981-9), 24121808-010 (160-56981-10), 24121808-011 (160-56981-11), 24121808-012 (160-56981-12), 24121808-013 (160-56981-13), 24121808-014 (160-56981-14), 24121808-015 (160-56981-15), 24121808-016 (160-56981-16), 24121808-017 (160-56981-17), 24121808-018 (160-56981-18), 24121808-019 (160-56981-19), 24121808-020 (160-56981-20), 24121808-021 (160-56981-21), 24121808-022 (160-56981-22), 24121808-023 (160-56981-23), 24121808-024 (160-56981-24), 24121808-025 (160-56981-25), 24121808-026 (160-56981-26), 24121808-027 (160-56981-27), 24121808-028 (160-56981-28), 24121808-029 (160-56981-29) and 24121808-030 (160-56981-30) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 2/14/2025.

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: Teklab Sampling Team

QC Level:

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project#

24121808

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO:

37680

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.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24121808-001	1/14/25 1150	HNO3	Groundwater
	24121808-002	1/16/25 1003	HNO3	Groundwater
	24121808-003	1/15/25 1230	HNO3	Groundwater
	24121808-004	1/15/25 1141	HNO3	Groundwater
	24121808-005	1/15/25 1051	HNO3	Groundwater
	24121808-006	1/15/25 1337	HNO3	Groundwater
	24121808-007	1/20/25 1207	HNO3	Groundwater
	24121808-008	1/14/25 1318	HNO3	Groundwater
	24121808-009	1/16/25 0936	HNO3	Groundwater
	24121808-010	1/15/25 1308	HNO3	Groundwater
	24121808-011	1/13/25 1109	HNO3	Groundwater

Ra226/228 ☒

Radium 226 ☒

Radium 228 ☒



160-56981 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
<i>John D. [Signature]</i>	1-21-25 / 1148	<i>Sina Washington</i>	1-21-25 / 1148
	1-21-25 / 1226		01/21/25 1226

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)

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

Project#

Contact: _____
Requested Due Date: _____

Email:	ehurley@teklabinc.com
ing/PO:	37680

Billing/P.O.: 37680

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.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24121808-012	1/13/25 1138	HNO3	Groundwater
	24121808-013	1/16/25 1020	HNO3	Groundwater
	24121808-014	1/16/25 1047	HNO3	Groundwater
	24121808-015	1/20/25 1112	HNO3	Groundwater
	24121808-016	1/14/25 1359	HNO3	Groundwater
	24121808-017	1/13/25 1254	HNO3	Groundwater
	24121808-018	1/13/25 1413	HNO3	Groundwater
	24121808-019	1/14/25 1231	HNO3	Groundwater
	24121808-020	1/14/25 1104	HNO3	Groundwater
	24121808-021	1/13/25 1216	HNO3	Groundwater
	24121808-022	1/13/25 1122	HNO3	Groundwater

Relinquished By

Date/Time

Received By

Date/Time

John L.

12.25.1148
12.25.1226

John D.
Singer, Washington

date / time	
01/25/148	
01/21/25	1726

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)

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											
Project#		24121808		Cooler Temp:				Sampler:		Teklab Sampling Team	
Comments:		Please Issue reports and invoices via email only									
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.											
Method changes require Teklab authorization. Samples collected from an IL site.											
Batch QC is required for all analyses requested. Vistra-EDD requested.											
Contact:		Elizabeth Hurley		Email:		ehurley@teklabinco.com					
Requested Due Date:		Standard TAT		Billing/PO:		37680					
								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.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24121808-023	1/16/25 0949	HNO3	Groundwater
	24121808-024	1/16/25 0923	HNO3	Groundwater
	24121808-025	1/20/25 1220	HNO3	Aqueous
	24121808-026	1/14/25 1150	HNO3	Groundwater
	24121808-027	1/14/25 1231	HNO3	Groundwater
	24121808-028	1/15/25 1600	HNO3	Aqueous
	24121808-029	1/20/25 1320	HNO3	Aqueous
	24121808-030	1/16/25 1140	HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Ra226/228 ☒

Radium 226 ☐

Radium 228 ☐

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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.

Relinquished By	Date/Time	Received By	Date/Time
Ona Once	12/25 / 11:48	John	12/25 / 11:48
John	12/25 / 12:40	Sina Worthington	12/25 / 12:40

Erika Smith

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Friday, January 24, 2025 11:41 AM
To: Erika Smith
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-56981-1 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,

The field supervisor informed me of an error in the collection time for 24121808-006. It should be reported as 1357 rather than 1337. Please update your records for final 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: Tuesday, January 21, 2025 4:21 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica sample confirmation files from 160-56981-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the sample confirmation files for job 160-56981-1; Radium-226 and Radium-228

The samples were received on 1/21/2025 12:26 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 and have a nice night!

Erika L Smith
Project Manager

Eurofins St. Louis

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



Reference: [160-320968]
Attachments: 1

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

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56981-1

SDG Number: 24121808

Login Number: 56981

List Number: 1

Creator: Worthington, Sierra M

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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Job ID: 160-56981-1
NEW-845-501
SDG: 24121808

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 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Job ID: 160-56981-1
NEW-845-301
SDG: 24121808

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56981-1	24121808-001	Water	01/14/25 11:50	01/21/25 12:26
160-56981-2	24121808-002	Water	01/16/25 10:03	01/21/25 12:26
160-56981-3	24121808-003	Water	01/15/25 12:30	01/21/25 12:26
160-56981-4	24121808-004	Water	01/15/25 11:41	01/21/25 12:26
160-56981-5	24121808-005	Water	01/15/25 10:51	01/21/25 12:26
160-56981-6	24121808-006	Water	01/15/25 13:57	01/21/25 12:26
160-56981-7	24121808-007	Water	01/20/25 12:07	01/21/25 12:26
160-56981-8	24121808-008	Water	01/14/25 13:18	01/21/25 12:26
160-56981-9	24121808-009	Water	01/16/25 09:36	01/21/25 12:26
160-56981-10	24121808-010	Water	01/15/25 13:08	01/21/25 12:26
160-56981-11	24121808-011	Water	01/13/25 11:09	01/21/25 12:26
160-56981-12	24121808-012	Water	01/13/25 11:38	01/21/25 12:26
160-56981-13	24121808-013	Water	01/16/25 10:20	01/21/25 12:26
160-56981-14	24121808-014	Water	01/16/25 10:47	01/21/25 12:26
160-56981-15	24121808-015	Water	01/20/25 11:12	01/21/25 12:26
160-56981-16	24121808-016	Water	01/14/25 13:59	01/21/25 12:26
160-56981-17	24121808-017	Water	01/13/25 12:54	01/21/25 12:26
160-56981-18	24121808-018	Water	01/13/25 14:13	01/21/25 12:26
160-56981-19	24121808-019	Water	01/14/25 12:31	01/21/25 12:26
160-56981-20	24121808-020	Water	01/14/25 11:04	01/21/25 12:26
160-56981-21	24121808-021	Water	01/13/25 12:16	01/21/25 12:26
160-56981-22	24121808-022	Water	01/13/25 11:22	01/21/25 12:26
160-56981-23	24121808-023	Water	01/16/25 09:49	01/21/25 12:26
160-56981-24	24121808-024	Water	01/16/25 09:23	01/21/25 12:26
160-56981-25	24121808-025	Water	01/20/25 12:20	01/21/25 12:26
160-56981-26	24121808-026	Water	01/14/25 11:50	01/21/25 12:26
160-56981-27	24121808-027	Water	01/14/25 12:31	01/21/25 12:26
160-56981-28	24121808-028	Water	01/15/25 16:00	01/21/25 12:26
160-56981-29	24121808-029	Water	01/20/25 13:20	01/21/25 12:26
160-56981-30	24121808-030	Water	01/16/25 11:40	01/21/25 12:26

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-001

Lab Sample ID: 160-56981-1

Date Collected: 01/14/25 11:50

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0924	U	0.0781	0.0785	1.00	0.115	pCi/L	01/23/25 07:59	02/14/25 07:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.3		30 - 110					01/23/25 07:59	02/14/25 07:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.160	U	0.420	0.421	1.00	0.742	pCi/L	01/23/25 08:08	02/04/25 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.3		30 - 110					01/23/25 08:08	02/04/25 12:12	1
Y Carrier	76.3		30 - 110					01/23/25 08:08	02/04/25 12:12	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.253	U	0.427	0.428	5.00	0.742	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-002

Lab Sample ID: 160-56981-2

Date Collected: 01/16/25 10:03

Matrix: Water

Date Received: 01/21/25 12:26

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	0.124		0.0774	0.0782	1.00	0.100	pCi/L	01/23/25 07:59	02/14/25 07:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		30 - 110					01/23/25 07:59	02/14/25 07:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.350	U	0.370	0.371	1.00	0.598	pCi/L	01/23/25 08:08	02/04/25 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		30 - 110					01/23/25 08:08	02/04/25 12:12	1
Y Carrier	71.4		30 - 110					01/23/25 08:08	02/04/25 12:12	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	0.474	U	0.378	0.379	5.00	0.598	pCi/L		02/14/25 12:51	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-003

Lab Sample ID: 160-56981-3

Date Collected: 01/15/25 12:30

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0455	U	0.0595	0.0597	1.00	0.0993	pCi/L	01/23/25 07:59	02/14/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					01/23/25 07:59	02/14/25 07:32	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	-0.116	U	0.280	0.280	1.00	0.567	pCi/L	01/23/25 08:08	02/04/25 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					01/23/25 08:08	02/04/25 12:12	1
Y Carrier	80.0		30 - 110					01/23/25 08:08	02/04/25 12:12	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	0.0455	U	0.286	0.286	5.00	0.567	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-004

Lab Sample ID: 160-56981-4

Date Collected: 01/15/25 11:41

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0909	U	0.0760	0.0765	1.00	0.114	pCi/L	01/23/25 07:59	02/14/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					01/23/25 07:59	02/14/25 07:32	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	0.00934	U	0.321	0.321	1.00	0.596	pCi/L	01/23/25 08:08	02/04/25 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					01/23/25 08:08	02/04/25 12:12	1
Y Carrier	79.6		30 - 110					01/23/25 08:08	02/04/25 12:12	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	0.100	U	0.330	0.330	5.00	0.596	pCi/L		02/14/25 12:51	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-005

Lab Sample ID: 160-56981-5

Date Collected: 01/15/25 10:51

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0687	U	0.0810	0.0812	1.00	0.133	pCi/L	01/23/25 07:59	02/14/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					01/23/25 07:59	02/14/25 07:32	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	0.397	U	0.342	0.344	1.00	0.535	pCi/L	01/23/25 08:08	02/04/25 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					01/23/25 08:08	02/04/25 12:12	1
Y Carrier	79.6		30 - 110					01/23/25 08:08	02/04/25 12:12	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	0.466	U	0.351	0.353	5.00	0.535	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-006

Lab Sample ID: 160-56981-6

Date Collected: 01/15/25 13:57

Matrix: Water

Date Received: 01/21/25 12:26

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	0.383		0.122	0.127	1.00	0.115	pCi/L	01/23/25 07:59	02/14/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					01/23/25 07:59	02/14/25 07:32	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	0.377	U	0.414	0.416	1.00	0.677	pCi/L	01/23/25 08:08	02/04/25 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					01/23/25 08:08	02/04/25 12:07	1
Y Carrier	78.5		30 - 110					01/23/25 08:08	02/04/25 12:07	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.760		0.432	0.435	5.00	0.677	pCi/L		02/14/25 12:51	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-007

Lab Sample ID: 160-56981-7

Date Collected: 01/20/25 12:07

Matrix: Water

Date Received: 01/21/25 12:26

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	1.17		0.316	0.333	1.00	0.287	pCi/L	01/23/25 07:59	02/14/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110					01/23/25 07:59	02/14/25 07:32	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	0.538	U G	0.831	0.832	1.00	1.41	pCi/L	01/23/25 08:08	02/04/25 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110					01/23/25 08:08	02/04/25 12:07	1
Y Carrier	78.9		30 - 110					01/23/25 08:08	02/04/25 12:07	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.71		0.889	0.896	5.00	1.41	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-008

Lab Sample ID: 160-56981-8

Date Collected: 01/14/25 13:18

Matrix: Water

Date Received: 01/21/25 12:26

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	0.524		0.241	0.245	1.00	0.294	pCi/L	01/23/25 07:59	02/14/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.3		30 - 110					01/23/25 07:59	02/14/25 07:32	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	0.511	U G	0.766	0.768	1.00	1.30	pCi/L	01/23/25 08:08	02/04/25 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.3		30 - 110					01/23/25 08:08	02/04/25 12:07	1
Y Carrier	79.6		30 - 110					01/23/25 08:08	02/04/25 12:07	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.04	U	0.803	0.806	5.00	1.30	pCi/L		02/14/25 12:51	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-009

Lab Sample ID: 160-56981-9

Date Collected: 01/16/25 09:36

Matrix: Water

Date Received: 01/21/25 12:26

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	0.879		0.212	0.226	1.00	0.154	pCi/L	01/23/25 07:59	02/14/25 07:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110					01/23/25 07:59	02/14/25 07:33	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	0.674	U	0.565	0.569	1.00	0.882	pCi/L	01/23/25 08:08	02/04/25 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.0		30 - 110					01/23/25 08:08	02/04/25 12:07	1
Y Carrier	77.4		30 - 110					01/23/25 08:08	02/04/25 12:07	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.55		0.603	0.612	5.00	0.882	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-010

Lab Sample ID: 160-56981-10

Date Collected: 01/15/25 13:08

Matrix: Water

Date Received: 01/21/25 12:26

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	0.289		0.123	0.126	1.00	0.125	pCi/L	01/23/25 07:59	02/14/25 07:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					01/23/25 07:59	02/14/25 07:33	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	0.0624	U	0.408	0.408	1.00	0.748	pCi/L	01/23/25 08:08	02/04/25 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					01/23/25 08:08	02/04/25 12:07	1
Y Carrier	82.2		30 - 110					01/23/25 08:08	02/04/25 12:07	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.351	U	0.426	0.427	5.00	0.748	pCi/L		02/14/25 12:51	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-011

Lab Sample ID: 160-56981-11

Date Collected: 01/13/25 11:09

Matrix: Water

Date Received: 01/21/25 12:26

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	0.444		0.128	0.134	1.00	0.0996	pCi/L	01/23/25 07:59	02/14/25 07:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					01/23/25 07:59	02/14/25 07:33	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	0.244	U	0.381	0.382	1.00	0.648	pCi/L	01/23/25 08:08	02/04/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					01/23/25 08:08	02/04/25 12:08	1
Y Carrier	81.5		30 - 110					01/23/25 08:08	02/04/25 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.688		0.402	0.405	5.00	0.648	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-012

Lab Sample ID: 160-56981-12

Date Collected: 01/13/25 11:38

Matrix: Water

Date Received: 01/21/25 12:26

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		0.0719	0.0725	1.00	0.0933	pCi/L	01/23/25 07:59	02/14/25 07:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.9		30 - 110					01/23/25 07:59	02/14/25 07:33	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	0.253	U	0.329	0.330	1.00	0.549	pCi/L	01/23/25 08:08	02/04/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.9		30 - 110					01/23/25 08:08	02/04/25 12:08	1
Y Carrier	85.2		30 - 110					01/23/25 08:08	02/04/25 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.360	U	0.337	0.338	5.00	0.549	pCi/L		02/14/25 12:51	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-013

Lab Sample ID: 160-56981-13

Date Collected: 01/16/25 10:20

Matrix: Water

Date Received: 01/21/25 12:26

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136	U	0.111	0.112	1.00	0.168	pCi/L	01/23/25 07:59	02/14/25 07:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.0		30 - 110					01/23/25 07:59	02/14/25 07:33	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	0.192	U	0.369	0.370	1.00	0.641	pCi/L	01/23/25 08:08	02/04/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.0		30 - 110					01/23/25 08:08	02/04/25 12:08	1
Y Carrier	82.2		30 - 110					01/23/25 08:08	02/04/25 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.328	U	0.385	0.387	5.00	0.641	pCi/L		02/14/25 12:51	1

Client Sample ID: 24121808-014

Lab Sample ID: 160-56981-14

Date Collected: 01/16/25 10:47

Matrix: Water

Date Received: 01/21/25 12:26

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	0.260		0.0975	0.100	1.00	0.0943	pCi/L	01/23/25 07:59	02/14/25 07:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					01/23/25 07:59	02/14/25 07:33	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	0.221	U	0.386	0.386	1.00	0.660	pCi/L	01/23/25 08:08	02/04/25 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					01/23/25 08:08	02/04/25 12:08	1
Y Carrier	80.4		30 - 110					01/23/25 08:08	02/04/25 12:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.481	U	0.398	0.399	5.00	0.660	pCi/L		02/14/25 12:51	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-015

Lab Sample ID: 160-56981-15

Date Collected: 01/20/25 11:12

Matrix: Water

Date Received: 01/21/25 12:26

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	0.705		0.208	0.218	1.00	0.202	pCi/L	01/23/25 08:10	02/14/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110					01/23/25 08:10	02/14/25 07:31	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	4.40		0.914	1.00	1.00	0.877	pCi/L	01/23/25 08:14	02/05/25 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110					01/23/25 08:14	02/05/25 11:31	1
Y Carrier	85.6		30 - 110					01/23/25 08:14	02/05/25 11:31	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	5.11		0.937	1.02	5.00	0.877	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-016

Lab Sample ID: 160-56981-16

Date Collected: 01/14/25 13:59

Matrix: Water

Date Received: 01/21/25 12:26

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	0.730		0.195	0.205	1.00	0.161	pCi/L	01/23/25 08:10	02/14/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					01/23/25 08:10	02/14/25 07:31	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	2.11		0.693	0.720	1.00	0.842	pCi/L	01/23/25 08:14	02/05/25 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					01/23/25 08:14	02/05/25 11:31	1
Y Carrier	83.0		30 - 110					01/23/25 08:14	02/05/25 11:31	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	2.84		0.720	0.749	5.00	0.842	pCi/L		02/14/25 12:50	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-017

Lab Sample ID: 160-56981-17

Date Collected: 01/13/25 12:54

Matrix: Water

Date Received: 01/21/25 12:26

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	0.681		0.155	0.167	1.00	0.117	pCi/L	01/23/25 08:10	02/14/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					01/23/25 08:10	02/14/25 07:31	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	1.04		0.611	0.619	1.00	0.863	pCi/L	01/23/25 08:14	02/05/25 16:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					01/23/25 08:14	02/05/25 16:53	1
Y Carrier	84.1		30 - 110					01/23/25 08:14	02/05/25 16:53	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.72		0.630	0.641	5.00	0.863	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-018

Lab Sample ID: 160-56981-18

Date Collected: 01/13/25 14:13

Matrix: Water

Date Received: 01/21/25 12:26

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	0.603		0.144	0.153	1.00	0.102	pCi/L	01/23/25 08:10	02/14/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					01/23/25 08:10	02/14/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.313	U	0.520	0.521	1.00	0.893	pCi/L	01/23/25 08:14	02/05/25 16:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					01/23/25 08:14	02/05/25 16:53	1
Y Carrier	88.2		30 - 110					01/23/25 08:14	02/05/25 16:53	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	0.916		0.540	0.543	5.00	0.893	pCi/L		02/14/25 12:50	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-019

Lab Sample ID: 160-56981-19

Date Collected: 01/14/25 12:31

Matrix: Water

Date Received: 01/21/25 12:26

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	0.127		0.0821	0.0829	1.00	0.109	pCi/L	01/23/25 08:10	02/14/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.7		30 - 110					01/23/25 08:10	02/14/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.527	U G	0.616	0.618	1.00	1.01	pCi/L	01/23/25 08:14	02/05/25 16:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.7		30 - 110					01/23/25 08:14	02/05/25 16:53	1
Y Carrier	86.7		30 - 110					01/23/25 08:14	02/05/25 16:53	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	0.654	U	0.621	0.624	5.00	1.01	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-020

Lab Sample ID: 160-56981-20

Date Collected: 01/14/25 11:04

Matrix: Water

Date Received: 01/21/25 12:26

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	0.492		0.213	0.218	1.00	0.224	pCi/L	01/23/25 08:10	02/14/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.0		30 - 110					01/23/25 08:10	02/14/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.88	G	1.04	1.07	1.00	1.29	pCi/L	01/23/25 08:14	02/05/25 11:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.0		30 - 110					01/23/25 08:14	02/05/25 11:32	1
Y Carrier	84.5		30 - 110					01/23/25 08:14	02/05/25 11:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.37		1.06	1.09	5.00	1.29	pCi/L		02/14/25 12:50	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-021

Lab Sample ID: 160-56981-21

Date Collected: 01/13/25 12:16

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0773	U	0.0932	0.0935	1.00	0.154	pCi/L	01/23/25 08:10	02/14/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/23/25 08:10	02/14/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.558	U G	0.511	0.513	1.00	1.11	pCi/L	01/23/25 08:14	02/05/25 16:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/23/25 08:14	02/05/25 16:53	1
Y Carrier	87.1		30 - 110					01/23/25 08:14	02/05/25 16:53	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	0.0773	U	0.519	0.521	5.00	1.11	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-022

Lab Sample ID: 160-56981-22

Date Collected: 01/13/25 11:22

Matrix: Water

Date Received: 01/21/25 12:26

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	0.113	U	0.0837	0.0843	1.00	0.121	pCi/L	01/23/25 08:10	02/14/25 09:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					01/23/25 08:10	02/14/25 09:15	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.113	U	0.489	0.489	1.00	0.960	pCi/L	01/23/25 08:14	02/05/25 16:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					01/23/25 08:14	02/05/25 16:52	1
Y Carrier	84.9		30 - 110					01/23/25 08:14	02/05/25 16:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.113	U	0.496	0.496	5.00	0.960	pCi/L		02/14/25 12:50	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-023

Lab Sample ID: 160-56981-23

Date Collected: 01/16/25 09:49

Matrix: Water

Date Received: 01/21/25 12:26

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	0.235		0.0972	0.0995	1.00	0.101	pCi/L	01/23/25 08:10	02/14/25 09:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					01/23/25 08:10	02/14/25 09:16	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	0.762	U G	0.663	0.667	1.00	1.04	pCi/L	01/23/25 08:14	02/05/25 16:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					01/23/25 08:14	02/05/25 16:52	1
Y Carrier	85.6		30 - 110					01/23/25 08:14	02/05/25 16:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.997	U	0.670	0.674	5.00	1.04	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-024

Lab Sample ID: 160-56981-24

Date Collected: 01/16/25 09:23

Matrix: Water

Date Received: 01/21/25 12:26

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	0.157		0.0799	0.0811	1.00	0.0912	pCi/L	01/23/25 08:10	02/14/25 09:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					01/23/25 08:10	02/14/25 09:16	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	0.368	U	0.545	0.546	1.00	0.922	pCi/L	01/23/25 08:14	02/05/25 16:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					01/23/25 08:14	02/05/25 16:52	1
Y Carrier	86.4		30 - 110					01/23/25 08:14	02/05/25 16:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.525	U	0.551	0.552	5.00	0.922	pCi/L		02/14/25 12:50	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-025

Lab Sample ID: 160-56981-25

Date Collected: 01/20/25 12:20

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0189	U	0.0460	0.0460	1.00	0.0878	pCi/L	01/23/25 08:10	02/14/25 09:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					01/23/25 08:10	02/14/25 09:16	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	0.191	U G	0.579	0.579	1.00	1.03	pCi/L	01/23/25 08:14	02/05/25 16:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					01/23/25 08:14	02/05/25 16:52	1
Y Carrier	86.4		30 - 110					01/23/25 08:14	02/05/25 16:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.209	U	0.581	0.581	5.00	1.03	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-026

Lab Sample ID: 160-56981-26

Date Collected: 01/14/25 11:50

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0778	U	0.0701	0.0705	1.00	0.105	pCi/L	01/23/25 08:10	02/14/25 09:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/23/25 08:10	02/14/25 09:16	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	0.0343	U	0.341	0.341	1.00	0.626	pCi/L	01/23/25 08:14	02/05/25 11:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					01/23/25 08:14	02/05/25 11:33	1
Y Carrier	81.1		30 - 110					01/23/25 08:14	02/05/25 11:33	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	0.112	U	0.348	0.348	5.00	0.626	pCi/L		02/14/25 12:50	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-027

Lab Sample ID: 160-56981-27

Date Collected: 01/14/25 12:31

Matrix: Water

Date Received: 01/21/25 12:26

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	0.119		0.0741	0.0748	1.00	0.0960	pCi/L	01/23/25 08:10	02/14/25 09:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					01/23/25 08:10	02/14/25 09:16	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	0.409	0.412	1.00	0.635	pCi/L	01/23/25 08:14	02/05/25 11:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					01/23/25 08:14	02/05/25 11:33	1
Y Carrier	77.8		30 - 110					01/23/25 08:14	02/05/25 11:33	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		0.416	0.419	5.00	0.635	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-028

Lab Sample ID: 160-56981-28

Date Collected: 01/15/25 16:00

Matrix: Water

Date Received: 01/21/25 12:26

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	0.000	U	0.0475	0.0475	1.00	0.102	pCi/L	01/23/25 08:10	02/14/25 09:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.9		30 - 110					01/23/25 08:10	02/14/25 09:17	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	0.713		0.451	0.456	1.00	0.677	pCi/L	01/23/25 08:14	02/05/25 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.9		30 - 110					01/23/25 08:14	02/05/25 11:27	1
Y Carrier	79.6		30 - 110					01/23/25 08:14	02/05/25 11:27	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	0.713		0.453	0.458	5.00	0.677	pCi/L		02/14/25 12:50	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Client Sample ID: 24121808-029

Lab Sample ID: 160-56981-29

Date Collected: 01/20/25 13:20

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0488	U	0.0658	0.0659	1.00	0.110	pCi/L	01/23/25 08:10	02/14/25 09:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		30 - 110					01/23/25 08:10	02/14/25 09:17	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	0.615		0.364	0.369	1.00	0.533	pCi/L	01/23/25 08:14	02/05/25 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		30 - 110					01/23/25 08:14	02/05/25 11:27	1
Y Carrier	86.4		30 - 110					01/23/25 08:14	02/05/25 11:27	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	0.664		0.370	0.375	5.00	0.533	pCi/L		02/14/25 12:50	1

Client Sample ID: 24121808-030

Lab Sample ID: 160-56981-30

Date Collected: 01/16/25 11:40

Matrix: Water

Date Received: 01/21/25 12:26

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	0.0308	U	0.0560	0.0560	1.00	0.0998	pCi/L	01/23/25 08:10	02/14/25 09:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					01/23/25 08:10	02/14/25 09:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.460	U	0.324	0.327	1.00	0.487	pCi/L	01/23/25 08:14	02/05/25 11:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					01/23/25 08:14	02/05/25 11:28	1
Y Carrier	86.0		30 - 110					01/23/25 08:14	02/05/25 11:28	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.491		0.329	0.332	5.00	0.487	pCi/L		02/14/25 12:50	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-699562/1-A
Matrix: Water
Analysis Batch: 703039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699562

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02651	U	0.0535	0.0535	1.00	0.0969	pCi/L	01/23/25 07:59	02/14/25 07:21	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					01/23/25 07:59	02/14/25 07:21	1

Lab Sample ID: LCS 160-699562/2-A
Matrix: Water
Analysis Batch: 703039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699562

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.579		1.01	1.00	0.102	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	88.8		30 - 110							

Lab Sample ID: MB 160-699564/1-A
Matrix: Water
Analysis Batch: 703041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699564

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.09579	U	0.0722	0.0727	1.00	0.102	pCi/L	01/23/25 08:10	02/14/25 07:31	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/23/25 08:10	02/14/25 07:31	1

Lab Sample ID: LCS 160-699564/2-A
Matrix: Water
Analysis Batch: 703041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699564

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.057		0.965	1.00	0.106	pCi/L	95	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	92.1		30 - 110							

Lab Sample ID: 160-56981-26 DU
Matrix: Water
Analysis Batch: 703039

Client Sample ID: 24121808-026
Prep Type: Total/NA
Prep Batch: 699564

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0778	U	0.01573	U	0.0540	1.00	0.104	pCi/L	0.50	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

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

Lab Sample ID: 160-56981-26 DU
Matrix: Water
Analysis Batch: 703039

Client Sample ID: 24121808-026
Prep Type: Total/NA
Prep Batch: 699564

Carrier	%Yield	Qualifier	Limits
Ba Carrier	89.5		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-699563/1-A
Matrix: Water
Analysis Batch: 701505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699563

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06894	U	0.319	0.319	1.00	0.577	pCi/L	01/23/25 08:08	02/04/25 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					01/23/25 08:08	02/04/25 12:11	1
Y Carrier	80.4		30 - 110					01/23/25 08:08	02/04/25 12:11	1

Lab Sample ID: LCS 160-699563/2-A
Matrix: Water
Analysis Batch: 701505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699563

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.12	10.09		1.39	1.00	0.621	pCi/L	124	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	88.8		30 - 110						
Y Carrier	79.3		30 - 110						

Lab Sample ID: MB 160-699565/1-A
Matrix: Water
Analysis Batch: 701662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699565

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1870	U G	0.545	0.546	1.00	1.07	pCi/L	01/23/25 08:14	02/05/25 16:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					01/23/25 08:14	02/05/25 16:53	1
Y Carrier	82.2		30 - 110					01/23/25 08:14	02/05/25 16:53	1

Lab Sample ID: LCS 160-699565/2-A
Matrix: Water
Analysis Batch: 701664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699565

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.12	9.001		1.24	1.00	0.457	pCi/L	111	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 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

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

Lab Sample ID: LCS 160-699565/2-A
Matrix: Water
Analysis Batch: 701664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699565

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	92.1		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: 160-56981-26 DU
Matrix: Water
Analysis Batch: 701664

Client Sample ID: 24121808-026
Prep Type: Total/NA
Prep Batch: 699565

Analyte	Sample	Sample	DU		Total	RL	MDC	Unit			RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)							Limit
Radium-228	0.0343	U		0.6533	0.367	1.00	0.508	pCi/L			0.87	1
Carrier	DU	DU										
	%Yield	Qualifier	Limits									
Ba Carrier	89.5		30 - 110									
Y Carrier	83.4		30 - 110									

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-56981-1
SDG: 24121808

Rad

Prep Batch: 699562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56981-1	24121808-001	Total/NA	Water	PrecSep-21	
160-56981-2	24121808-002	Total/NA	Water	PrecSep-21	
160-56981-3	24121808-003	Total/NA	Water	PrecSep-21	
160-56981-4	24121808-004	Total/NA	Water	PrecSep-21	
160-56981-5	24121808-005	Total/NA	Water	PrecSep-21	
160-56981-6	24121808-006	Total/NA	Water	PrecSep-21	
160-56981-7	24121808-007	Total/NA	Water	PrecSep-21	
160-56981-8	24121808-008	Total/NA	Water	PrecSep-21	
160-56981-9	24121808-009	Total/NA	Water	PrecSep-21	
160-56981-10	24121808-010	Total/NA	Water	PrecSep-21	
160-56981-11	24121808-011	Total/NA	Water	PrecSep-21	
160-56981-12	24121808-012	Total/NA	Water	PrecSep-21	
160-56981-13	24121808-013	Total/NA	Water	PrecSep-21	
160-56981-14	24121808-014	Total/NA	Water	PrecSep-21	
MB 160-699562/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-699562/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 699563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56981-1	24121808-001	Total/NA	Water	PrecSep_0	
160-56981-2	24121808-002	Total/NA	Water	PrecSep_0	
160-56981-3	24121808-003	Total/NA	Water	PrecSep_0	
160-56981-4	24121808-004	Total/NA	Water	PrecSep_0	
160-56981-5	24121808-005	Total/NA	Water	PrecSep_0	
160-56981-6	24121808-006	Total/NA	Water	PrecSep_0	
160-56981-7	24121808-007	Total/NA	Water	PrecSep_0	
160-56981-8	24121808-008	Total/NA	Water	PrecSep_0	
160-56981-9	24121808-009	Total/NA	Water	PrecSep_0	
160-56981-10	24121808-010	Total/NA	Water	PrecSep_0	
160-56981-11	24121808-011	Total/NA	Water	PrecSep_0	
160-56981-12	24121808-012	Total/NA	Water	PrecSep_0	
160-56981-13	24121808-013	Total/NA	Water	PrecSep_0	
160-56981-14	24121808-014	Total/NA	Water	PrecSep_0	
MB 160-699563/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-699563/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 699564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56981-15	24121808-015	Total/NA	Water	PrecSep-21	
160-56981-16	24121808-016	Total/NA	Water	PrecSep-21	
160-56981-17	24121808-017	Total/NA	Water	PrecSep-21	
160-56981-18	24121808-018	Total/NA	Water	PrecSep-21	
160-56981-19	24121808-019	Total/NA	Water	PrecSep-21	
160-56981-20	24121808-020	Total/NA	Water	PrecSep-21	
160-56981-21	24121808-021	Total/NA	Water	PrecSep-21	
160-56981-22	24121808-022	Total/NA	Water	PrecSep-21	
160-56981-23	24121808-023	Total/NA	Water	PrecSep-21	
160-56981-24	24121808-024	Total/NA	Water	PrecSep-21	
160-56981-25	24121808-025	Total/NA	Water	PrecSep-21	
160-56981-26	24121808-026	Total/NA	Water	PrecSep-21	
160-56981-27	24121808-027	Total/NA	Water	PrecSep-21	

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND

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

Job ID: 160-56981-1
SDG: 24121808

Rad (Continued)

Prep Batch: 699564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56981-28	24121808-028	Total/NA	Water	PrecSep-21	
160-56981-29	24121808-029	Total/NA	Water	PrecSep-21	
160-56981-30	24121808-030	Total/NA	Water	PrecSep-21	
MB 160-699564/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-699564/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56981-26 DU	24121808-026	Total/NA	Water	PrecSep-21	

Prep Batch: 699565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56981-15	24121808-015	Total/NA	Water	PrecSep_0	
160-56981-16	24121808-016	Total/NA	Water	PrecSep_0	
160-56981-17	24121808-017	Total/NA	Water	PrecSep_0	
160-56981-18	24121808-018	Total/NA	Water	PrecSep_0	
160-56981-19	24121808-019	Total/NA	Water	PrecSep_0	
160-56981-20	24121808-020	Total/NA	Water	PrecSep_0	
160-56981-21	24121808-021	Total/NA	Water	PrecSep_0	
160-56981-22	24121808-022	Total/NA	Water	PrecSep_0	
160-56981-23	24121808-023	Total/NA	Water	PrecSep_0	
160-56981-24	24121808-024	Total/NA	Water	PrecSep_0	
160-56981-25	24121808-025	Total/NA	Water	PrecSep_0	
160-56981-26	24121808-026	Total/NA	Water	PrecSep_0	
160-56981-27	24121808-027	Total/NA	Water	PrecSep_0	
160-56981-28	24121808-028	Total/NA	Water	PrecSep_0	
160-56981-29	24121808-029	Total/NA	Water	PrecSep_0	
160-56981-30	24121808-030	Total/NA	Water	PrecSep_0	
MB 160-699565/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-699565/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56981-26 DU	24121808-026	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
Lab ID: 160-56981-1
SDG: 24121808

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)			
160-56981-1	24121808-001	76.3			
160-56981-2	24121808-002	85.7			
160-56981-3	24121808-003	89.3			
160-56981-4	24121808-004	91.6			
160-56981-5	24121808-005	90.8			
160-56981-6	24121808-006	87.8			
160-56981-7	24121808-007	77.0			
160-56981-8	24121808-008	75.3			
160-56981-9	24121808-009	77.0			
160-56981-10	24121808-010	86.0			
160-56981-11	24121808-011	80.9			
160-56981-12	24121808-012	84.9			
160-56981-13	24121808-013	75.0			
160-56981-14	24121808-014	88.3			
160-56981-15	24121808-015	74.2			
160-56981-16	24121808-016	81.6			
160-56981-17	24121808-017	87.8			
160-56981-18	24121808-018	88.5			
160-56981-19	24121808-019	83.7			
160-56981-20	24121808-020	74.0			
160-56981-21	24121808-021	84.2			
160-56981-22	24121808-022	89.0			
160-56981-23	24121808-023	85.5			
160-56981-24	24121808-024	89.3			
160-56981-25	24121808-025	82.4			
160-56981-26	24121808-026	84.2			
160-56981-26 DU	24121808-026	89.5			
160-56981-27	24121808-027	93.6			
160-56981-28	24121808-028	84.9			
160-56981-29	24121808-029	91.1			
160-56981-30	24121808-030	91.6			
LCS 160-699562/2-A	Lab Control Sample	88.8			
LCS 160-699564/2-A	Lab Control Sample	92.1			
MB 160-699562/1-A	Method Blank	91.8			
MB 160-699564/1-A	Method Blank	88.0			

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)
160-56981-1	24121808-001	76.3	76.3
160-56981-2	24121808-002	85.7	71.4
160-56981-3	24121808-003	89.3	80.0
160-56981-4	24121808-004	91.6	79.6
160-56981-5	24121808-005	90.8	79.6

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Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-56981-1
SDG: 24121808

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)
160-56981-6	24121808-006	87.8	78.5
160-56981-7	24121808-007	77.0	78.9
160-56981-8	24121808-008	75.3	79.6
160-56981-9	24121808-009	77.0	77.4
160-56981-10	24121808-010	86.0	82.2
160-56981-11	24121808-011	80.9	81.5
160-56981-12	24121808-012	84.9	85.2
160-56981-13	24121808-013	75.0	82.2
160-56981-14	24121808-014	88.3	80.4
160-56981-15	24121808-015	74.2	85.6
160-56981-16	24121808-016	81.6	83.0
160-56981-17	24121808-017	87.8	84.1
160-56981-18	24121808-018	88.5	88.2
160-56981-19	24121808-019	83.7	86.7
160-56981-20	24121808-020	74.0	84.5
160-56981-21	24121808-021	84.2	87.1
160-56981-22	24121808-022	89.0	84.9
160-56981-23	24121808-023	85.5	85.6
160-56981-24	24121808-024	89.3	86.4
160-56981-25	24121808-025	82.4	86.4
160-56981-26	24121808-026	84.2	81.1
160-56981-26 DU	24121808-026	89.5	83.4
160-56981-27	24121808-027	93.6	77.8
160-56981-28	24121808-028	84.9	79.6
160-56981-29	24121808-029	91.1	86.4
160-56981-30	24121808-030	91.6	86.0
LCS 160-699563/2-A	Lab Control Sample	88.8	79.3
LCS 160-699565/2-A	Lab Control Sample	92.1	82.6
MB 160-699563/1-A	Method Blank	91.8	80.4
MB 160-699565/1-A	Method Blank	88.0	82.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: A213
Sample ID: 001
Date (s): 1/15/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 7 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ 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: 1/15/2025 9:23 Static Water Level: 25.11 feet below TOC
Total Depth: 61.00 feet below TOC
Water Column: 35.89 feet

Purging Activities

Purged By: TC Purge Date: 1/15/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 35.89 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 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
9:25	0.0	232	purge start time						
9:35	2.3	↓	6.69	2,550.50	11.80	4.00	95.80	32.02	
9:38	3.0		6.63	2,640.50	12.40	2.51	93.90	14.44	
9:41	3.7		6.65	2,646.90	12.49	1.69	93.20	9.26	
9:44	4.4		6.67	2,639.00	12.39	1.38	92.20	5.50	
9:47	5.1		6.69	2,628.60	12.40	1.22	91.40	4.78	
9:50	5.8		6.70	2,611.00	11.59	1.17	91.00	3.90	
9:53	6.5		6.71	2,586.70	10.55	1.15	91.00	4.19	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/15/2025 9:53
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.71 pH 2,586.70 Spec. Cond. 10.55 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 30.42 feet below TOC Drawdown: 5.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Tracy Carroll

Date: 1/15/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: A214
Sample ID: 002
Date (s): 1/15/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 10 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/15/2025 9:24 Static Water Level: 44.47 feet below TOC
Total Depth: 75.50 feet below TOC
Water Column: 31.03 feet

Purging Activities

Purged By: BG Purge Date: 1/15/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 31.03 ft. x 0.022 = 0.68 L x 3 Vol. = 2.04 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 12.00 L
Physical appearance of purge water: Cloudy Odor: Slight Color: Lt Brown

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
9:24	0.0	273	purge start time						
9:56	8.7	↓	7.08	1,571.40	13.79	0.44	-77.80	153.31	
9:59	9.5		7.09	1,521.40	13.78	0.43	-82.70	124.98	
10:02	10.4		7.10	1,473.60	13.45	0.42	-86.60	107.27	
10:05	11.2		7.10	1,438.60	13.48	0.41	-89.90	96.54	
10:08	12.0		7.10	1,403.70	13.49	0.40	-93.10	84.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/15/2025 10:08
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.10 pH 1,403.70 Spec. Cond. 13.49 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 46.62 feet below TOC Drawdown: 2.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/15/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: A215
Sample ID: 003
Date (s): 1/15/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 10 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☒ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	X	
Protective Casing	<u>Good</u>			Well	
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 1/15/2025 10:25 Static Water Level: 41.59 feet below TOC
Total Depth: 78.10 feet below TOC
Water Column: 36.51 feet

Purging Activities

Purged By: BG Purge Date: 1/15/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 36.51 ft. x 0.022 = 0.8 L x 3 Vol. = 2.4 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy Odor: Slight Color: Lt Brown

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	194	purge start time						
10:44	3.7	↓	7.42	668.80	13.09	0.48	-126.00	487.70	
10:47	4.3		7.42	656.10	13.17	0.48	-128.30	347.55	
10:50	4.9		7.42	645.30	12.87	0.47	-129.70	263.33	
10:53	5.5		7.42	636.90	12.35	0.46	-130.70	208.56	
10:56	6.0		7.43	623.40	12.44	0.47	-131.30	166.03	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/15/2025 10:56
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.43 pH 623.40 Spec. Cond. 12.44 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 42.12 feet below TOC Drawdown: 0.53 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW02
Sample ID: 004
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 11:27 Static Water Level: 4.41 feet below TOC
Total Depth: 23.70 feet below TOC
Water Column: 19.29 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.29 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 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
11:26	0.0	208	purge start time						
11:29	0.6	↓	6.72	5,416.90	7.89	5.98	1.50	26.47	
11:32	1.3		6.64	5,404.90	7.18	4.71	9.80	2.87	
11:35	1.9		6.63	5,455.00	7.36	4.29	15.90	2.28	
11:38	2.5		6.63	5,457.90	7.16	3.97	20.40	2.15	
11:41	3.1		6.62	5,515.20	7.58	3.63	24.10	2.00	
11:44	3.7		6.62	5,568.70	7.75	3.37	26.90	1.43	
11:47	4.4		6.62	5,539.60	7.63	3.17	29.00	0.96	
11:50	5.0		6.62	5,606.60	7.93	3.02	31.00	0.65	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 11:50
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.62 pH 5,606.60 Spec. Cond. 7.93 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 7.03 feet below TOC Drawdown: 2.62 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW03
Sample ID: 005
Date (s): 1/16/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 9:49 Static Water Level: 6.04 feet below TOC
Total Depth: 24.00 feet below TOC
Water Column: 17.96 feet

Purging Activities

Purged By: BG Purge Date: 1/16/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.96 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 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
9:49	0.0	321	purge start time						
9:51	0.6	↓	6.96	386.90	10.79	3.57	-97.60	30.49	
9:54	1.6		6.90	379.30	10.28	3.45	-83.50	16.24	
9:57	2.6		6.90	369.00	9.21	3.49	-76.10	12.07	
10:00	3.5		6.90	351.90	7.97	3.72	-71.20	10.78	
10:03	4.5		6.88	354.20	9.82	2.92	-69.10	7.97	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/16/2025 10:03
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.88 pH 354.20 Spec. Cond. 9.82 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.25 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/16/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW04
Sample ID: 006
Date (s): 1/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/15/2025 12:13 Static Water Level: 4.75 feet below TOC
Total Depth: 21.60 feet below TOC
Water Column: 16.85 feet

Purging Activities

Purged By: JC Purge Date: 1/15/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.85 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
12:14	0.0	219	purge start time						
12:18	0.9	↓	6.61	3,035.30	8.89	1.68	120.10	6.92	
12:21	1.5		6.64	2,975.90	8.43	1.32	122.10	6.92	
12:24	2.2		6.65	2,960.30	8.09	1.19	125.50	7.53	
12:27	2.8		6.65	2,956.40	8.23	1.06	129.20	7.55	
12:30	3.5		6.66	2,911.70	7.77	1.03	132.10	5.47	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/15/2025 12:30
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.66 pH 2,911.70 Spec. Cond. 7.77 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.12 feet below TOC Drawdown: 3.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW05
Sample ID: 007
Date (s): 1/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 14 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/15/2025 11:06 Static Water Level: 14.29 feet below TOC
Total Depth: 70.80 feet below TOC
Water Column: 56.51 feet

Purging Activities

Purged By: JC Purge Date: 1/15/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 56.51 ft. x 0.022 = 1.24 L x 3 Vol. = 3.72 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
11:09	0.0	188	purge start time						
11:14	0.9	↓	7.66	1,633.90	9.11	7.30	73.50	2.95	
11:17	1.5		7.67	1,610.70	8.87	7.14	75.50	2.17	
11:20	2.1		7.67	1,588.20	8.70	7.05	77.00	2.02	
11:23	2.6		7.64	1,587.40	8.33	6.89	78.60	2.12	
11:26	3.2		7.60	1,591.70	8.20	6.70	80.00	1.46	
11:29	3.8		7.55	1,540.60	8.63	6.43	81.10	0.84	
11:32	4.3		7.50	1,545.00	9.13	6.12	82.00	0.55	
11:35	4.9		7.47	1,559.00	8.88	5.93	82.80	0.74	
11:38	5.4		7.46	1,558.90	9.63	5.81	83.40	0.44	
11:41	6.0		7.46	1,562.20	9.15	5.71	83.80	0.69	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/15/2025 11:41
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.46 pH 1,562.20 Spec. Cond. 9.15 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.00 feet below TOC Drawdown: 2.71 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954
- Holes in air line for dedicated pump; unable to repair in field. Used peristaltic pump.

Form Completed By: Justin Colp

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW05S
Sample ID: 008
Date (s): 11/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 10 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/15/2025 10:31 Static Water Level: 10.98 feet below TOC
Total Depth: 22.90 feet below TOC
Water Column: 11.92 feet

Purging Activities

Purged By: JC Purge Date: 11/15/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.92 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: 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
10:32	0.0	211	purge start time						
10:36	0.8	↓	6.66	4,362.40	6.52	3.22	101.20	4.93	
10:39	1.5		6.67	4,249.10	6.95	2.74	100.00	4.41	
10:42	2.1		6.67	4,222.80	6.88	2.52	99.00	4.77	
10:45	2.7		6.67	4,302.80	6.92	2.36	98.40	4.10	
10:48	3.4		6.67	4,295.50	6.59	2.27	97.60	3.68	
10:51	4.0		6.68	4,297.30	5.73	2.14	96.70	3.75	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/15/2025 10:51
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.68 pH 4,297.30 Spec. Cond. 5.73 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.52 feet below TOC Drawdown: 0.54 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW06
Sample ID: 009
Date (s): 1/15/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 19 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/15/2025 13:36 Static Water Level: 19.69 feet below TOC
Total Depth: 76.10 feet below TOC
Water Column: 56.41 feet

Purging Activities

Purged By: BG Purge Date: 1/15/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 56.41 ft. x 0.022 = 1.24 L x 3 Vol. = 3.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy 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
13:36	0.0	286	purge start time						
13:42	1.7	↓	7.73	420.10	12.91	0.86	-97.30	168.41	
13:45	2.6		7.71	420.10	13.04	0.82	-106.20	121.35	
13:48	3.4		7.71	419.80	13.04	0.74	-113.20	89.65	
13:51	4.3		7.71	418.10	13.05	0.67	-119.20	68.07	
13:54	5.1		7.70	416.80	13.13	0.64	-124.10	46.55	
13:57	6.0		7.70	414.70	13.12	0.61	-128.00	47.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/15/2025 13:57
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.70 pH 414.70 Spec. Cond. 13.12 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.79 feet below TOC Drawdown: 0.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW07
Sample ID: 010
Date (s): 1/20/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/20/2025 11:14 Static Water Level: 47.42 feet below TOC
Total Depth: 85.80 feet below TOC
Water Column: 38.38 feet

Purging Activities

Purged By: TC Purge Date: 1/20/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 38.38 ft. x 0.022 = 0.84 L x 3 Vol. = 2.52 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 10.00 L
Physical appearance of purge water: Cloudy Odor: Slight Color: Lt Grey

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
11:40	0.0	370	purge start time						
11:52	4.4	↓	6.92	990.20	11.86	2.07	98.20	521.92	
11:55	5.6		6.99	1,000.70	12.80	1.44	91.10	480.94	
11:58	6.7		7.05	993.60	12.36	1.13	84.30	330.94	
12:01	7.8		7.08	995.90	12.46	0.94	78.00	211.53	
12:04	8.9		7.10	996.10	12.73	0.81	71.80	165.11	
12:07	10.0		7.12	992.80	12.15	0.72	66.30	145.72	

Sampling Activities

Sampled By: PY Sample Date/Time: 1/20/2025 12:07
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.12 pH 992.80 Spec. Cond. 12.15 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 47.45 feet below TOC Drawdown: 0.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Payton Yoch

Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW08
Sample ID: 011
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 29 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 12:56 Static Water Level: 37.98 feet below TOC
Total Depth: 84.20 feet below TOC
Water Column: 46.22 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 46.22 ft. x 0.022 = 1.02 L x 3 Vol. = 3.06 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy 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
13:00	0.0	194	purge start time						
13:03	0.6	↓	7.14	1,967.70	11.66	3.14	-13.10	12.11	
13:06	1.2		7.08	1,967.20	11.83	1.07	-24.50	32.47	
13:09	1.7		7.09	1,966.90	11.91	0.60	-18.30	30.46	
13:12	2.3		7.09	1,959.00	11.92	0.40	-22.30	40.58	
13:15	2.9		7.09	1,946.90	11.85	0.33	-31.70	39.68	
13:18	3.5		7.09	1,939.90	11.89	0.27	-42.80	58.74	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 13:18
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH 1,939.90 Spec. Cond. 11.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 37.98 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/14/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW09
Sample ID: 012
Date (s): 1/16/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 30 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 9:16 Static Water Level: 26.82 feet below TOC
Total Depth: 65.00 feet below TOC
Water Column: 38.18 feet

Purging Activities

Purged By: BG Purge Date: 1/16/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 38.18 ft. x 0.022 = 0.84 L x 3 Vol. = 2.52 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 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
9:16	0.0	300	purge start time						
9:27	3.3	↓	7.49	488.00	12.96	0.62	-145.10	35.31	
9:30	4.2		7.49	485.60	12.84	0.55	-148.60	19.57	
9:33	5.1		7.49	486.50	12.99	0.50	-151.30	11.46	
9:36	6.0		7.49	483.90	12.95	0.48	-153.10	7.90	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/16/2025 9:36
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.49 pH 483.90 Spec. Cond. 12.95 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 27.32 feet below TOC Drawdown: 0.50 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/16/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW10
Sample ID: 013
Date (s): 1/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/15/2025 12:33 Static Water Level: 8.22 feet below TOC
Total Depth: 48.70 feet below TOC
Water Column: 40.48 feet

Purging Activities

Purged By: JC Purge Date: 1/15/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 40.48 ft. x 0.022 = 0.89 L x 3 Vol. = 2.67 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Cloudy Odor: None Color: lt orange

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
12:39	0.0	241	purge start time						
12:44	1.2	↓	7.03	2,451.60	12.21	0.76	108.80	833.15	
12:47	2.0		7.03	2,446.60	12.18	0.33	105.90	1019.03	
12:50	2.7		7.03	2,452.30	12.32	0.23	102.30	1027.51	
12:53	3.4		7.04	2,451.80	12.41	0.17	98.00	812.63	
12:56	4.1		7.04	2,452.80	12.42	0.13	91.10	423.39	
12:59	4.9		7.04	2,448.30	12.38	0.12	81.30	250.77	
13:02	5.6		7.04	2,447.90	12.41	0.10	70.80	165.30	
13:05	6.3		7.05	2,444.70	12.33	0.08	61.70	101.56	
13:08	7.0		7.05	2,442.70	12.31	0.06	53.60	100.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/15/2025 13:08
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.05 pH 2,442.70 Spec. Cond. 12.31 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.41 feet below TOC Drawdown: 10.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW11
Sample ID: 014
Date (s): 1/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 19 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/13/2025 10:32 Static Water Level: 24.61 feet below TOC
Total Depth: 67.60 feet below TOC
Water Column: 42.99 feet

Purging Activities

Purged By: BG Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 42.99 ft. x 0.022 = 0.95 L x 3 Vol. = 2.85 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy 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
10:32	0.0	108	purge start time						
10:52	2.1	↓	7.26	1,199.30	12.15	1.06	-4.40	82.96	
10:55	2.4		7.26	1,173.10	12.09	0.99	-7.00	72.28	
10:56	2.6		7.34	1,162.40	12.06	0.97	-8.60	67.78	
10:59	2.9		7.27	1,140.10	12.06	0.91	-10.30	64.38	
11:02	3.2		7.27	1,106.70	12.05	0.84	-12.10	44.47	
11:03	3.4		7.27	1,101.60	12.05	0.81	-14.60	38.65	
11:06	3.7		7.27	1,096.30	12.03	0.79	-15.00	33.32	
11:09	4.0		7.26	1,079.30	12.10	0.75	-16.80	36.55	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/13/2025 11:09
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.26 pH 1,079.30 Spec. Cond. 12.10 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 25.31 feet below TOC Drawdown: 0.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Brett Gillihan

Date: 1/13/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW12
Sample ID: 015
Date (s): 1/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 19 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/13/2025 11:26 Static Water Level: 14.73 feet below TOC
Total Depth: 33.00 feet below TOC
Water Column: 18.27 feet

Purging Activities

Purged By: BG Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.27 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: Slight 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
11:26	0.0	167	purge start time						
11:26	0.0	↓	6.54	1,331.20	13.12	1.58	-5.40	5.62	
11:29	0.5		6.48	1,257.70	10.72	1.33	0.40	6.24	
11:32	1.0		6.49	1,186.80	8.98	1.05	2.40	5.97	
11:35	1.5		6.52	1,149.00	6.81	0.90	5.90	5.65	
11:38	2.0		6.55	915.40	5.67	0.94	8.90	4.52	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/13/2025 11:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.55 pH 915.40 Spec. Cond. 5.67 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.12 feet below TOC Drawdown: 0.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Brett Gillihan

Date: 1/13/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW13
Sample ID: 016
Date (s): 1/16/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 10:04 Static Water Level: 32.70 feet below TOC
Total Depth: 66.30 feet below TOC
Water Column: 33.60 feet

Purging Activities

Purged By: JC Purge Date: 1/16/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 33.6 ft. x 0.022 = 0.74 L x 3 Vol. = 2.22 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: It brown

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
10:05	0.0	167	purge start time						
10:08	0.5	↓	6.83	2,252.40	11.28	1.89	-88.40	5.90	
10:11	1.0		6.85	2,293.90	11.39	1.46	-76.20	24.54	
10:14	1.5		6.88	2,308.70	11.69	1.23	-67.80	21.95	
10:17	2.0		6.89	2,321.50	11.52	1.11	-61.50	20.44	
10:20	2.5		6.89	2,318.80	11.45	1.06	-57.10	16.68	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/16/2025 10:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.89 pH 2,318.80 Spec. Cond. 11.45 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 32.81 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/16/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW14
Sample ID: 017
Date (s): 1/16/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 10:36

Static Water Level: 21.71 feet below TOC
Total Depth: 57.40 feet below TOC
Water Column: 35.69 feet

Purging Activities

Purged By: JC Purge Date: 1/16/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 35.69 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 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
10:36	0.0	273	purge start time						
10:41	1.6	↓	7.01	2,420.50	13.19	0.27	-108.00	18.26	
10:44	2.4		7.03	2,425.10	11.92	0.27	-119.20	13.93	
10:47	3.2		7.04	2,367.50	11.52	0.36	-122.40	12.61	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/16/2025 10:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH 2,367.50 Spec. Cond. 11.52 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 21.79 feet below TOC Drawdown: 0.08 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/16/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW15
Sample ID: 018
Date (s): 1/20/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 10 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/20/2025 10:48 Static Water Level: 21.48 feet below TOC
Total Depth: 105.60 feet below TOC
Water Column: 84.12 feet

Purging Activities

Purged By: JC Purge Date: 1/20/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 84.12 ft. x 0.022 = 1.85 L x 3 Vol. = 5.55 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy Odor: Moderate Color: It brown

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	206	purge start time						
11:00	1.0	↓	6.88	2,835.00	12.21	0.74	-112.90	53.49	
11:03	1.6		6.89	2,873.30	12.57	0.48	-137.80	23.69	
11:06	2.3		6.90	2,897.90	12.58	0.38	-151.30	18.42	
11:09	2.9		6.90	2,885.80	11.96	0.29	-154.10	24.55	
11:12	3.5		6.89	2,900.70	12.45	0.24	-155.20	36.00	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/20/2025 11:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.89 pH 2,900.70 Spec. Cond. 12.45 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 21.53 feet below TOC Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/20/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW16
Sample ID: 019
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 29 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 13:36 Static Water Level: 40.61 feet below TOC
Total Depth: 87.50 feet below TOC
Water Column: 46.89 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 46.89 ft. x 0.022 = 1.03 L x 3 Vol. = 3.09 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: Strong 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	174	purge start time						
13:41	0.9	↓	7.22	2,109.90	11.32	3.12	-10.80	28.97	
13:44	1.4		7.16	2,123.20	11.62	2.09	-69.80	54.35	
13:47	1.9		7.18	2,148.90	11.71	1.67	-100.20	57.89	
13:50	2.4		7.18	2,158.30	11.86	1.41	-112.40	47.27	
13:53	3.0		7.18	2,164.00	11.91	1.27	-118.30	43.28	
13:56	3.5		7.19	2,162.20	11.80	1.15	-122.90	40.16	
13:59	4.0		7.19	2,161.20	11.89	1.09	-126.20	35.60	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 13:59
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.19 pH 2,161.20 Spec. Cond. 11.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 40.66 feet below TOC Drawdown: 0.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW17
Sample ID: 020
Date (s): 1/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 22 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/13/2025 12:32 Static Water Level: 41.66 feet below TOC
Total Depth: 94.70 feet below TOC
Water Column: 53.04 feet

Purging Activities

Purged By: BG Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 53.04 ft. x 0.022 = 1.17 L x 3 Vol. = 3.51 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
12:32	0.0	182	purge start time						
12:33	0.2	↓	7.53	690.90	10.53	1.77	7.70	8.29	
12:36	0.7		7.49	669.50	10.47	1.49	11.90	16.60	
12:39	1.3		7.51	659.20	11.16	1.22	17.00	19.95	
12:42	1.8		7.53	656.30	11.27	0.94	19.50	25.05	
12:45	2.4		7.54	647.10	11.51	0.80	18.50	24.15	
12:48	2.9		7.54	632.70	11.50	0.73	14.60	21.08	
12:51	3.5		7.55	625.10	11.58	0.66	8.10	17.09	
12:54	4.0		7.55	616.80	11.62	0.61	0.50	15.38	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/13/2025 12:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.55 pH 616.80 Spec. Cond. 11.62 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 41.96 feet below TOC Drawdown: 0.30 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Brett Gillihan

Date: 1/13/2025



Field Data Sheet

Project Name: Newton 1Q Monitoring Point: APW18
Project Location: Newton, IL Sample ID: 021
W.O. Number (s): 24121807 Date (s): 1/13/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 23 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/13/2025 13:35 Static Water Level: 51.52 feet below TOC
Total Depth: 82.70 feet below TOC
Water Column: 31.18 feet

Purging Activities

Purged By: BG Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 31.18 ft. x 0.022 = 0.69 L x 3 Vol. = 2.07 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
13:35	0.0	118	purge start time						
13:58	2.7	↓	7.67	517.10	12.12	0.83	-36.30	32.56	
14:01	3.1		7.77	517.60	12.26	0.69	-49.50	35.85	
14:04	3.4		7.79	512.50	12.36	0.60	-62.90	40.19	
14:07	3.8		7.80	508.80	12.25	0.54	-75.60	32.25	
14:10	4.2		7.81	504.10	12.31	0.51	-87.00	30.18	
14:13	4.5		7.82	500.80	12.37	0.49	-96.20	22.82	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/13/2025 14:13
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.82 pH 500.80 Spec. Cond. 12.37 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 51.67 feet below TOC Drawdown: 0.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Brett Gillihan

Date: 1/13/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW19S
Sample ID: 022
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 12:14 Static Water Level: 6.37 feet below TOC
Total Depth: 20.34 feet below TOC
Water Column: 13.97 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.97 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
12:15	0.0	219	purge start time						
12:19	0.9	↓	6.74	5,435.00	9.62	3.92	40.30	22.31	
12:22	1.5		6.72	5,416.80	9.72	3.00	42.80	19.58	
12:25	2.2		6.72	5,450.10	9.35	2.80	44.90	17.25	
12:28	2.8		6.72	5,359.70	8.73	2.74	46.40	15.03	
12:31	3.5		6.71	5,414.20	9.44	2.69	47.70	14.56	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 12:31
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.71 pH 5,414.20 Spec. Cond. 9.44 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.98 feet below TOC Drawdown: 2.61 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/14/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW20S
Sample ID: 023
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 27 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 10:42 Static Water Level: 18.98 feet below TOC
Total Depth: 27.40 feet below TOC
Water Column: 8.42 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.42 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: Slight Color: orange

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	
13:44	0.0	248	purge start time							From 1/13
13:48	1.0		6.92	3,364.50	11.37	5.60	132.40	30.40		
13:51	1.8		6.93	3,360.40	11.10	5.76	132.20	33.56		
13:54	2.5		6.94	3,345.00	10.69	6.05	132.40	30.30		
10:49	0.0	267 ↓	purge start time							From 1/14
10:55	1.6		6.65	4,875.50	12.59	3.17	-45.70	91.98		
10:58	2.4		6.65	4,913.00	12.36	3.13	-37.20	189.73		
11:01	3.2		6.65	4,961.70	12.54	3.14	-30.00	324.53		
11:04	4.0		6.64	5,033.50	12.76	3.09	-23.80	345.68		

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 11:04
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.94 pH 3,345.00 Spec. Cond. 10.69 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 21.76 feet below TOC Drawdown: 2.78 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954
- Well went dry during stabilization on 1/13; sample collected on 1/14

Form Completed By: Justin Colp

Date: 1/14/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW21S
Sample ID: 024
Date (s): 1/13/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 20 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ 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: 1/13/2025 11:51 Static Water Level: 11.22 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 11.48 feet

Purging Activities

Purged By: TC Purge Date: 1/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.48 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 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
11:51	0.0	220	purge start time						
11:58	1.5	↓	7.26	1,182.40	10.24	4.48	59.40	7.23	
12:01	2.2		7.16	1,184.50	10.57	4.12	63.50	6.43	
12:04	2.9		7.11	1,186.50	10.83	3.83	66.70	6.29	
12:07	3.5		7.08	1,185.40	10.87	3.45	69.10	5.97	
12:10	4.2		7.06	1,013.60	10.57	3.19	71.20	18.26	
12:13	4.8		7.06	1,179.90	10.25	2.98	72.90	10.56	
12:16	5.5		7.05	1,178.40	10.19	2.76	74.40	10.65	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/13/2025 12:16
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.05 pH 1,178.40 Spec. Cond. 10.19 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.51 feet below TOC Drawdown: 0.29 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Tracy Carroll

Date: 1/13/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW22S
Sample ID: 025
Date (s): 1/13/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 20 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ 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: 1/13/2025 10:52 Static Water Level: 10.30 feet below TOC
Total Depth: 26.25 feet below TOC
Water Column: 15.95 feet

Purging Activities

Purged By: TC Purge Date: 1/13/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.95 ft. x 0.022 = 0.35 L x 3 Vol. = 1.05 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 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
10:59	0.0	239	purge start time						
11:07	1.9	↓	6.34	5,048.30	11.38	3.78	97.80	10.88	
11:10	2.6		6.34	5,039.00	11.44	3.38	99.10	9.49	
11:13	3.4		6.35	5,027.90	11.37	3.10	100.80	6.39	
11:16	4.1		6.35	5,040.80	11.52	2.81	102.40	4.96	
11:19	4.8		6.35	5,041.80	11.49	2.60	103.80	5.00	
11:22	5.5		6.35	5,053.90	11.58	2.46	105.10	13.80	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/13/2025 11:22
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.35 pH 5,053.90 Spec. Cond. 11.58 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.72 feet below TOC Drawdown: 2.42 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Tracy Carroll Date: 1/13/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW23
Sample ID: 026
Date (s): 1/16/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 30 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 9:22 Static Water Level: 14.65 feet below TOC
Total Depth: 46.02 feet below TOC
Water Column: 31.37 feet

Purging Activities

Purged By: JC Purge Date: 1/16/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 31.37 ft. x 0.022 = 0.69 L x 3 Vol. = 2.07 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
9:31	0.0	278	purge start time						
9:37	1.7	↓	7.23	2,455.10	11.86	1.43	71.70	10.73	
9:40	2.5		7.13	2,377.90	12.18	0.88	-173.60	5.34	
9:43	3.3		7.08	2,361.80	12.30	0.64	-192.00	3.67	
9:46	4.2		7.07	2,355.30	12.28	0.51	-199.30	2.65	
9:49	5.0		7.06	2,361.60	12.54	0.48	-200.40	2.36	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/16/2025 9:49
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.06 pH 2,361.60 Spec. Cond. 12.54 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.51 feet below TOC Drawdown: 0.86 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:




Date: 1/16/2025

Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW23S
Sample ID: 027
Date (s): 1/16/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 30 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 8:53 Static Water Level: 7.76 feet below TOC
Total Depth: 22.40 feet below TOC
Water Column: 14.64 feet

Purging Activities

Purged By: JC Purge Date: 1/16/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.64 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 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
8:59	0.0	250	purge start time						
9:02	0.8	↓	6.70	4,425.90	11.25	2.66	66.00	10.24	
9:05	1.5		6.75	3,965.20	10.48	2.22	61.70	9.05	
9:08	2.3		6.77	3,887.50	10.31	2.01	65.10	10.61	
9:11	3.0		6.78	3,829.30	10.46	1.87	69.70	8.21	
9:14	3.8		6.78	3,866.90	10.45	1.61	69.10	7.74	
9:17	4.5		6.78	3,860.60	10.48	1.49	69.10	4.85	
9:20	5.2		6.77	3,863.10	10.36	1.35	67.90	3.80	
9:23	6.0		6.77	3,861.20	10.55	1.22	66.20	3.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/16/2025 9:23
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.77 pH 3,861.20 Spec. Cond. 10.55 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.81 feet below TOC Drawdown: 4.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/16/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G06D
Sample ID: 028
Date (s): 1/20/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/20/2025 10:59 Static Water Level: 32.24 feet below TOC
Total Depth: 96.60 feet below TOC
Water Column: 64.36 feet

Purging Activities

Purged By: BG Purge Date: 1/20/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 64.36 ft. x 0.022 = 1.42 L x 3 Vol. = 4.26 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
10:59	0.0	168	purge start time						
11:13	2.5	↓	7.07	712.70	7.63	2.37	-59.20	18.74	
11:16	3.0		7.17	674.40	6.55	1.88	-103.80	26.83	
11:19	3.5		7.22	638.30	6.10	1.64	-120.00	11.53	
11:22	4.0		7.24	622.00	5.51	1.58	-127.00	10.07	
11:25	4.5		7.27	619.00	4.90	2.27	-128.10	11.80	
11:28	5.0		7.27	586.50	5.17	2.03	-128.90	12.33	

Sampling Activities

Sampled By: B G Sample Date/Time: 1/20/2025 11:29
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.27 pH 586.50 Spec. Cond. 5.17 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 32.72 feet below TOC Drawdown: 0.48 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868
- Holes in air line for dedicated pump; unable to repair in field. Used peristaltic pump.

Form Completed By:

Brett Gillihan

Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G104
Sample ID: 029
Date (s): 1/20/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 13 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/20/2025 11:56 Static Water Level: 6.26 feet below TOC
Total Depth: 42.96 feet below TOC
Water Column: 36.70 feet

Purging Activities

Purged By: BG Purge Date: 1/20/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 36.7 ft. x 0.022 = 0.81 L x 3 Vol. = 2.43 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 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
11:56	0.0	100	purge start time						
12:09	1.3	↓	7.07	562.20	9.62	6.43	-49.70	16.68	
12:12	1.6		7.02	522.30	8.01	6.37	-42.50	15.55	
12:15	1.9		7.01	516.70	8.47	6.60	-38.60	11.05	
12:18	2.2		7.00	510.50	8.19	6.62	-35.80	10.15	
12:21	2.5		6.99	508.10	8.67	6.49	-34.70	8.48	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/20/2025 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.99 pH 508.10 Spec. Cond. 8.67 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.89 feet below TOC Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G104D
Sample ID: 030
Date (s): 1/8/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 12:31

Static Water Level: 50.12 feet below TOC
Total Depth: 88.80 feet below TOC
Water Column: 38.68 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)

- DTW Only

Form Completed By: Brett Gillihan

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G104S
Sample ID: 031
Date (s): 1/8/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 16 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 12:30

Static Water Level: 5.66 feet below TOC

Total Depth: 25.20 feet below TOC

Water Column: 19.54 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)

- DTW Only

Form Completed By: Brett Gillihan

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G105
Sample ID: 032
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 24 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 10:20 Static Water Level: 9.75 feet below TOC
Total Depth: 25.80 feet below TOC
Water Column: 16.05 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.05 ft. x 0.022 = 0.35 L x 3 Vol. = 1.05 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
10:20	0.0	292	purge start time						
10:23	0.9	↓	6.47	3,561.10	12.57	1.55	-160.90	4.45	
10:26	1.8		6.45	3,415.20	12.41	0.93	-147.10	4.00	
10:29	2.7		6.46	3,370.40	12.59	0.78	-149.60	3.85	
10:32	3.5		6.48	3,220.90	12.64	0.84	-134.40	2.63	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 10:32
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.48 pH 3,220.90 Spec. Cond. 12.64 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.51 feet below TOC Drawdown: 1.76 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G106
Sample ID: 033
Date (s): 1/15/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 4 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ 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: 1/15/2025 11:02 Static Water Level: 26.11 feet below TOC
Total Depth: 35.70 feet below TOC
Water Column: 9.59 feet

Purging Activities

Purged By: TC Purge Date: 1/15/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.59 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 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
11:04	0.0	162	purge start time						
11:20	2.6	↓	6.52	3,464.20	8.89	3.24	71.60	33.79	
11:23	3.1		6.49	3,437.40	8.69	2.81	72.80	30.21	
11:26	3.6		6.47	3,416.40	8.48	2.54	73.70	27.15	
11:29	4.1		6.46	3,401.90	8.71	2.27	74.50	21.66	
11:32	4.5		6.44	3,393.80	9.87	2.07	74.70	17.89	
11:35	5.0		6.44	3,407.80	10.21	1.90	75.20	14.62	
11:38	5.5		6.44	3,387.40	9.87	1.84	75.70	16.77	
11:41	6.0		6.44	3,367.60	9.75	1.82	76.10	19.96	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/15/2025 11:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 3,367.60 Spec. Cond. 9.75 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 26.74 feet below TOC Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Tracy Carroll

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G109
Sample ID: 034
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 13:02

Static Water Level: 9.85 feet below TOC

Total Depth: 24.10 feet below TOC

Water Column: 14.25 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G111
Sample ID: 035
Date (s): 1/8/2025

Field Team Members

Name: Brett Gilihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 12:35

Static Water Level: 6.01 feet below TOC

Total Depth: 21.90 feet below TOC

Water Column: 15.89 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)

- DTW Only

Form Completed By: Brett Gilihan

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G112
Sample ID: 036
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 17 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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
	<u>X</u>	
Protective Casing Well		<u>X</u>

Groundwater Level Measurements

Date/Time Measured: 1/8/2025 13:50

Static Water Level: 5.31 feet below TOC

Total Depth: 23.60 feet below TOC

Water Column: 18.29 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)

- DTW Only

Form Completed By: Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G113
Sample ID: 037
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 17 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 13:49

Static Water Level: 18.81 feet below TOC
Total Depth: 34.20 feet below TOC
Water Column: 15.39 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)

- DTW Only

Form Completed By: Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G114
Sample ID: 038
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 18 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 12:44

Static Water Level: 20.04 feet below TOC

Total Depth: 44.68 feet below TOC

Water Column: 24.64 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)

- DTW Only

Form Completed By: Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G115
Sample ID: 039
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 18 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 13:28

Static Water Level: 5.42 feet below TOC
Total Depth: 19.60 feet below TOC
Water Column: 14.18 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G116
Sample ID: 040
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 22 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 8:56 Static Water Level: 8.03 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 13.77 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.77 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 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
8:59	0.0	217	purge start time						
9:04	1.1	↓	6.57	1,685.20	11.58	3.78	71.00	25.18	
9:07	1.7		6.60	1,664.00	11.38	3.49	66.00	20.89	
9:10	2.4		6.61	1,661.00	11.37	3.27	64.80	17.69	
9:13	3.0		6.61	1,656.90	11.25	3.10	65.10	14.29	
9:16	3.7		6.61	1,654.70	11.31	2.97	66.10	11.26	
9:19	4.3		6.61	1,649.30	11.24	2.87	67.20	9.01	
9:22	5.0		6.61	1,646.50	11.32	2.76	68.30	7.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 9:22
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.61 pH 1,646.50 Spec. Cond. 11.32 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.10 feet below TOC Drawdown: 0.07 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G117
Sample ID: 041
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 11:27

Static Water Level: 18.41 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 3.39 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G118
Sample ID: 042
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 12:40

Static Water Level: 9.98 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 12.72 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G119
Sample ID: 043
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 12:57

Static Water Level: 3.72 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 19.08 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G120
Sample ID: 044
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/8/2025 13:08
Static Water Level: 8.30 feet below TOC
Total Depth: 23.70 feet below TOC
Water Column: 15.40 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G125
Sample ID: 045
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 24 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 9:46 Static Water Level: 3.41 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 19.39 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.39 ft. x 0.022 = 0.43 L x 3 Vol. = 1.29 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
9:47	0.0	233	purge start time						
9:50	0.7	↓	6.73	4,596.30	7.80	6.37	95.70	6.86	
9:53	1.4		6.67	4,669.60	7.50	5.90	94.10	4.19	
9:56	2.1		6.68	4,680.50	7.47	5.61	95.10	2.72	
9:59	2.8		6.67	4,650.50	7.59	5.38	96.90	2.39	
10:02	3.5		6.66	4,666.40	7.58	5.20	98.50	2.01	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 10:02
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.66 pH 4,666.40 Spec. Cond. 7.58 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.51 feet below TOC Drawdown: 5.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/14/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G128
Sample ID: 046
Date (s): 1/14/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 25 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 9:37 Static Water Level: 4.86 feet below TOC
Total Depth: 30.20 feet below TOC
Water Column: 25.34 feet

Purging Activities

Purged By: BG Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 25.34 ft. x 0.022 = 0.56 L x 3 Vol. = 1.68 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
9:37	0.0	200	purge start time						
9:45	1.6	↓	6.95	3,948.10	9.05	3.61	46.80	13.77	
9:48	2.2		6.95	3,984.80	8.98	3.67	45.30	13.67	
9:51	2.8		6.96	4,068.00	8.88	3.71	44.50	14.66	
9:54	3.4		6.97	4,146.00	8.92	3.79	44.30	13.59	
9:57	4.0		6.97	4,222.50	9.24	3.84	44.50	13.08	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/14/2025 9:57
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.97 pH 4,222.50 Spec. Cond. 9.24 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.16 feet below TOC Drawdown: 0.30 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G130
Sample ID: 047
Date (s): 1/14/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 26 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 10:21 Static Water Level: 4.64 feet below TOC
Total Depth: 21.90 feet below TOC
Water Column: 17.26 feet

Purging Activities

Purged By: BG Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.26 ft. x 0.022 = 0.38 L x 3 Vol. = 1.14 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
10:21	0.0	125	purge start time						
10:40	2.5	↓	6.50	3,700.10	10.37	2.18	12.10	27.31	
10:41	2.5		6.50	3,698.00	10.39	2.17	12.20	25.94	
10:44	2.9		6.51	3,662.60	10.42	2.09	13.30	27.15	
10:47	3.3		6.51	3,635.60	10.57	2.01	14.40	24.96	
10:50	3.6		6.51	3,602.40	10.53	1.98	15.40	17.80	
10:53	4.0		6.51	3,561.10	10.34	1.96	16.70	12.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/14/2025 10:53
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.51 pH 3,561.10 Spec. Cond. 10.34 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 4.96 feet below TOC Drawdown: 0.32 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G133
Sample ID: 048
Date (s): 1/14/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 27 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 11:04 Static Water Level: 9.68 feet below TOC
Total Depth: 27.90 feet below TOC
Water Column: 18.22 feet

Purging Activities

Purged By: BG Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.22 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy 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
11:04	0.0	200	purge start time						
11:16	2.4	↓	6.84	2,541.40	13.89	4.59	12.40	14.52	
11:19	3.0		6.87	2,427.90	13.88	4.81	12.00	202.07	
11:22	3.6		6.88	2,311.70	13.89	5.15	10.80	128.60	
11:25	4.2		6.93	2,217.30	12.95	6.23	11.90	72.18	
11:28	4.8		6.97	2,152.90	11.91	7.22	13.70	121.27	
11:31	5.4		6.99	2,107.10	11.51	7.59	15.50	39.13	
11:34	6.0		6.99	2,072.40	11.14	7.76	16.70	17.64	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/14/2025 11:34
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.99 pH 2,072.40 Spec. Cond. 11.14 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.34 feet below TOC Drawdown: 0.66 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G136
Sample ID: 049
Date (s): 1/14/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 27 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 11:52 Static Water Level: 7.01 feet below TOC
Total Depth: 22.30 feet below TOC
Water Column: 15.29 feet

Purging Activities

Purged By: BG Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.29 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
11:52	0.0	117	purge start time						
12:09	2.1	↓	6.99	1,788.20	9.63	1.11	1.40	13.10	
12:12	2.4		7.00	1,741.10	9.43	1.06	1.70	11.27	
12:15	2.8		7.00	1,713.60	9.32	1.04	1.80	10.98	
12:18	3.1		7.01	1,682.00	9.59	1.01	1.50	9.79	
12:21	3.5		7.01	1,657.40	9.84	1.02	0.80	8.79	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/14/2025 12:22
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.01 pH 1,657.40 Spec. Cond. 9.84 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 7.45 feet below TOC Drawdown: 0.44 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/14/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G139
Sample ID: 050
Date (s): 1/14/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 12:33 Static Water Level: 5.33 feet below TOC
Total Depth: 22.90 feet below TOC
Water Column: 17.57 feet

Purging Activities

Purged By: BG Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.57 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 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
12:33	0.0	147	purge start time						
12:38	0.7	↓	7.16	1,420.10	10.23	1.39	14.80	21.60	
12:41	1.2		7.09	1,414.10	10.43	1.19	15.60	18.98	
12:44	1.6		7.08	1,400.10	10.09	1.04	16.10	16.09	
12:47	2.1		7.07	1,396.40	10.47	0.96	16.20	14.11	
12:50	2.5		7.06	1,398.50	10.47	0.91	16.50	10.87	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/14/2025 12:50
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.06 pH 1,398.50 Spec. Cond. 10.47 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.56 feet below TOC Drawdown: 0.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/14/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G141
Sample ID: 051
Date (s): 1/14/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 26 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 13:08 Static Water Level: 13.75 feet below TOC
Total Depth: 25.32 feet below TOC
Water Column: 11.57 feet

Purging Activities

Purged By: BG Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.57 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 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
13:08	0.0	133	purge start time						
13:29	2.8	↓	7.20	1,179.00	10.58	0.76	-18.40	8.96	
13:32	3.2		7.23	1,132.70	10.54	0.74	-20.40	8.02	
13:35	3.6		7.24	1,093.00	10.72	0.76	-21.10	6.68	
13:38	4.0		7.24	1,066.30	10.55	0.92	-21.40	4.48	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/14/2025 13:38
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.24 pH 1,066.30 Spec. Cond. 10.55 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.86 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/14/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G201
Sample ID: 052
Date (s): 1/16/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/16/2025 9:46

Static Water Level: 17.09 feet below TOC
Total Depth: 17.18 feet below TOC
Water Column: 0.09 feet

Purging Activities

Purged By: TC Purge Date: 1/16/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 0.09 ft. x 0.022 = 0 L x 3 Vol. = 0 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 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
9:46	0.0		purge start time						

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: -
- 17.09 TOP; Went dry during pumping. Not enough water to sample.

Form Completed By: Tracy Carroll

Date: 1/16/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G202
Sample ID: 053
Date (s): 1/9/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 14 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 9:55 Static Water Level: 48.38 feet below TOC
Total Depth: 76.80 feet below TOC
Water Column: 28.42 feet

Purging Activities

Purged By: BG Purge Date: 1/9/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 28.42 ft. x 0.022 = 0.63 L x 3 Vol. = 1.89 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 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
9:55	0.0	120	purge start time						
10:08	1.6	↓	8.20	1,189.80	12.12	9.14	90.60	24.85	
10:11	2.0		8.27	1,142.00	11.12	7.97	86.60	25.22	
10:14	2.3		8.28	1,118.60	10.56	7.67	86.80	25.12	
10:17	2.7		8.27	1,092.90	10.43	7.39	88.40	23.43	
10:20	3.0		8.24	1,077.30	9.81	7.04	86.10	21.80	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/9/2025 10:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 8.24 pH 1,077.30 Spec. Cond. 9.81 Temp
Field Filtered: No Filter Type:
Water Level: 48.86 feet below TOC Drawdown: 0.48 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Date: 1/9/2025

5445 Horseshoe Lake Road, Collinsville, IL 62234 | Phone: (618) 344-1004 | www.teklabinc.com

Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G203
Sample ID: 054
Date (s): 1/9/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 19 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 11:22 Static Water Level: 41.70 feet below TOC
Total Depth: 74.90 feet below TOC
Water Column: 33.20 feet

Purging Activities

Purged By: BG Purge Date: 1/9/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 33.2 ft. x 0.022 = 0.73 L x 3 Vol. = 2.19 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 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
11:22	0.0	211	purge start time						
11:27	1.1	↓	8.15	959.70	11.84	5.89	72.10	15.45	
11:30	1.7		7.75	953.10	11.86	2.79	71.20	13.94	
11:33	2.3		7.62	939.60	11.67	1.93	71.20	13.19	
11:36	3.0		7.62	942.40	11.59	1.63	72.60	14.26	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/9/2025 11:36
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.62 pH 942.40 Spec. Cond. 11.59 Temp
Field Filtered: No Filter Type:
Water Level: 42.13 feet below TOC Drawdown: 0.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Brett Gillihan

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G208
Sample ID: 055
Date (s): 1/8/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Other (see note)
Protective Casing Other (see note)
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____

Static Water Level: - feet below TOC
Total Depth: 96.60 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)

- Unable to sample, well in need of repair.

Form Completed By: Justin Colp

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G217S
Sample ID: 056
Date (s): 1/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 9 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/15/2025 8:51 Static Water Level: 7.34 feet below TOC
Total Depth: 21.40 feet below TOC
Water Column: 14.06 feet

Purging Activities

Purged By: JC Purge Date: 1/15/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.06 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 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
9:10	0.0	237	purge start time						
9:17	1.7	↓	6.50	5,937.00	8.09	3.11	93.20	16.35	
9:20	2.4		6.49	5,943.70	8.28	2.99	93.20	16.06	
9:23	3.1		6.49	6,012.70	7.85	2.88	93.20	16.28	
9:26	3.8		6.49	5,991.30	7.55	2.79	93.40	15.00	
9:29	4.5		6.50	5,956.00	7.55	2.71	93.60	13.96	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/15/2025 9:29
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.50 pH 5,956.00 Spec. Cond. 7.55 Temp
Field Filtered: No Filter Type:
Water Level: 11.68 feet below TOC Drawdown: 4.34 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G220
Sample ID: 057
Date (s): 1/15/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 4 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ 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: 1/15/2025 12:35 Static Water Level: 18.50 feet below TOC
Total Depth: 88.40 feet below TOC
Water Column: 69.90 feet

Purging Activities

Purged By: TC Purge Date: 1/15/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 69.9 ft. x 0.022 = 1.54 L x 3 Vol. = 4.62 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt brown

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
12:35	0.0	185	purge start time						
12:44	1.7	↓	6.88	1,200.60	10.68	2.08	77.40	26.85	
12:47	2.3		6.82	1,202.70	11.03	1.75	74.30	49.34	
12:50	2.8		6.78	1,203.60	11.41	1.52	70.80	141.68	
12:53	3.4		6.78	1,183.30	10.39	1.38	68.20	233.47	
12:56	3.9		6.76	1,188.10	10.72	1.24	65.90	375.92	
12:59	4.5		6.74	1,184.30	10.91	1.12	63.40	522.28	
13:02	5.0		6.74	1,186.00	10.69	1.06	60.70	496.29	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/15/2025 13:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH 1,186.00 Spec. Cond. 10.69 Temp
Field Filtered: No Filter Type:
Water Level: 25.42 feet below TOC Drawdown: 6.92 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769
- Air leak. Needs new hose fitting.

Form Completed By: Tracy Carroll Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G221
Sample ID: 058
Date (s): 1/14/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 17 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ 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: 1/14/2025 12:00 Static Water Level: 23.49 feet below TOC
Total Depth: 86.90 feet below TOC
Water Column: 63.41 feet

Purging Activities

Purged By: TC Purge Date: 1/14/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 63.41 ft. x 0.022 = 1.4 L x 3 Vol. = 4.2 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Grey

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
12:02	0.0	104	purge start time						
12:32	3.1	↓	6.72	1,431.60	11.80	2.83	61.30	74.12	
12:35	3.5		6.71	1,421.90	11.06	2.47	55.00	109.95	
12:38	3.8		6.69	1,421.20	9.88	2.35	49.30	104.02	
12:41	4.1		6.69	1,405.40	9.38	2.31	44.90	140.41	
12:44	4.4		6.68	1,401.70	9.25	2.25	41.60	162.36	
12:47	4.7		6.67	1,393.00	8.88	2.29	39.10	225.73	
12:50	5.0		6.67	1,397.10	9.07	2.30	37.00	219.90	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/14/2025 12:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH 1,397.10 Spec. Cond. 9.07 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 24.33 feet below TOC Drawdown: 0.84 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769
- Repaired Air leak.

Form Completed By: Tracy Carroll

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G222
Sample ID: 059
Date (s): 1/13/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 19 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/13/2025 11:31 Static Water Level: 17.35 feet below TOC
Total Depth: 81.30 feet below TOC
Water Column: 63.95 feet

Purging Activities

Purged By: JC Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 63.95 ft. x 0.022 = 1.41 L x 3 Vol. = 4.23 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: It brown

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
11:09	0.0	250	purge start time						
11:13	1.0	↓	6.97	3,245.00	13.51	0.91	-130.90	13.41	
11:16	1.8		6.96	3,225.80	13.29	0.40	-141.90	7.74	
11:19	2.5		6.97	3,208.70	13.31	0.26	-146.90	3.27	
11:22	3.3		6.97	3,191.30	13.01	0.18	-150.20	2.14	
11:25	4.0		6.97	3,181.20	13.21	0.14	-151.90	1.62	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/13/2025 11:25
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.97 pH 3,181.20 Spec. Cond. 13.21 Temp
Field Filtered: No Filter Type: Inline Disposable
Water Level: 27.82 feet below TOC Drawdown: 10.47 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/13/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G223
Sample ID: 060
Date (s): 1/13/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 22 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/13/2025 12:07 Static Water Level: 33.32 feet below TOC
Total Depth: 91.00 feet below TOC
Water Column: 57.68 feet

Purging Activities

Purged By: JC Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 57.68 ft. x 0.022 = 1.27 L x 3 Vol. = 3.81 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: grey

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
12:18	0.0	201	purge start time						
12:20	0.4	↓	6.94	5,613.30	11.28	3.78	17.70	30.09	
12:23	1.0		6.97	131.90	10.70	8.21	-1.80	10.46	
12:26	1.6		6.83	3,283.30	10.12	3.67	-24.30	29.67	
12:29	2.2		6.77	5,481.40	10.06	2.68	-40.30	24.51	
12:32	2.8		6.67	5,484.70	10.51	1.52	-69.70	26.09	
12:35	3.4		6.63	5,540.30	11.41	0.69	-92.10	42.69	
12:38	4.0		6.66	5,535.50	11.02	2.03	-87.00	49.54	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/13/2025 12:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.66 pH 5,535.50 Spec. Cond. 11.02 Temp
Field Filtered: No Filter Type:
Water Level: 35.12 feet below TOC Drawdown: 1.80 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/13/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G224
Sample ID: 061
Date (s): 1/13/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 22 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/13/2025 12:55 Static Water Level: 42.97 feet below TOC
Total Depth: 75.50 feet below TOC
Water Column: 32.53 feet

Purging Activities

Purged By: JC Purge Date: 1/13/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 32.53 ft. x 0.022 = 0.72 L x 3 Vol. = 2.16 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: Slight Color: lt brown

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
13:02	0.0	200	purge start time						
13:10	1.6	↓	7.23	2,186.60	11.37	2.42	-81.70	75.36	
13:13	2.2		7.15	2,170.00	11.02	0.90	-114.50	64.38	
13:16	2.8		7.12	2,151.90	11.05	0.52	-124.10	118.65	
13:19	3.4		7.12	2,146.90	11.36	0.37	-126.80	202.14	
13:22	4.0		7.12	2,134.60	11.39	0.28	-127.90	254.58	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/13/2025 13:22
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.12 pH 2,134.60 Spec. Cond. 11.39 Temp
Field Filtered: No Filter Type:
Water Level: 43.00 feet below TOC Drawdown: 0.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/13/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G225
Sample ID: 062
Date (s): 1/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 10 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/15/2025 9:49 Static Water Level: 9.06 feet below TOC
Total Depth: 24.70 feet below TOC
Water Column: 15.64 feet

Purging Activities

Purged By: JC Purge Date: 1/15/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.64 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
9:50	0.0	206	purge start time						
9:55	1.0	↓	7.00	2,071.40	9.64	2.88	41.00	51.79	
9:58	1.6		7.04	1,908.90	9.11	3.98	47.40	23.77	
10:01	2.3		7.05	1,873.90	9.26	4.43	53.50	14.11	
10:04	2.9		7.06	1,849.50	8.93	4.50	58.20	10.82	
10:07	3.5		7.06	1,870.50	8.56	4.50	61.70	9.46	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/15/2025 10:07
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.06 pH 1,870.50 Spec. Cond. 8.56 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.40 feet below TOC Drawdown: 2.34 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/15/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G230
Sample ID: 063
Date (s): 1/9/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 10:19 Static Water Level: 48.95 feet below TOC
Total Depth: 81.03 feet below TOC
Water Column: 32.08 feet

Purging Activities

Purged By: JC Purge Date: 1/9/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 32.08 ft. x 0.022 = 0.71 L x 3 Vol. = 2.13 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: It brown

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
10:20	0.0	450	purge start time						
10:28	3.6	↓	6.96	1,067.90	13.47	0.28	-95.10	154.96	
10:31	5.0		6.99	1,007.00	13.53	0.15	-120.60	127.59	
10:34	6.3		7.00	969.70	13.49	0.10	-135.90	125.92	
10:37	7.7		7.01	940.90	13.52	0.07	-143.70	93.36	
10:40	9.0		7.02	919.70	13.62	0.05	-148.60	84.94	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/9/2025 10:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 919.70 Spec. Cond. 13.62 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 48.95 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q Monitoring Point: G231
Project Location: Newton, IL Sample ID: 064
W.O. Number (s): 24121807 Date (s): 1/15/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 15 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/15/2025 11:30 Static Water Level: 42.76 feet below TOC
Total Depth: 79.76 feet below TOC
Water Column: 37.00 feet

Purging Activities

Purged By: BG Purge Date: 1/15/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 37 ft. x 0.022 = 0.81 L x 3 Vol. = 2.43 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt Brown

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
11:30	0.0	182	purge start time						
11:48	3.3	↓	7.33	570.40	13.63	0.37	-99.70	2949.97	
11:51	3.8		7.32	560.60	13.51	0.36	-105.50	2157.30	
11:54	4.4		7.31	551.20	13.40	0.39	-109.60	1647.24	
11:57	4.9		7.31	541.90	13.44	0.52	-112.50	2366.78	
12:00	5.5		7.30	536.10	13.49	0.31	-115.90	1073.15	
12:03	6.0		7.30	527.70	13.30	0.31	-118.40	829.66	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/15/2025 12:03
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.30 pH 527.70 Spec. Cond. 13.30 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 43.18 feet below TOC Drawdown: 0.42 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G232
Sample ID: 065
Date (s): 1/9/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 10:51 Static Water Level: 46.28 feet below TOC
Total Depth: 77.66 feet below TOC
Water Column: 31.38 feet

Purging Activities

Purged By: JC Purge Date: 1/9/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 31.38 ft. x 0.022 = 0.69 L x 3 Vol. = 2.07 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: Slight 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
10:52	0.0	292	purge start time						
10:55	0.9	↓	7.14	830.00	12.82	3.19	-33.20	48.13	
10:58	1.8		7.06	1,034.10	12.88	0.77	-106.80	14.26	
11:01	2.6		7.01	1,046.80	13.06	0.46	-129.70	13.04	
11:04	3.5		7.02	972.30	13.01	0.35	-137.20	16.39	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/9/2025 11:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 972.30 Spec. Cond. 13.01 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 46.28 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G233
Sample ID: 066
Date (s): 1/14/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 16 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ 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: 1/14/2025 9:30 Static Water Level: 41.27 feet below TOC
Total Depth: 76.24 feet below TOC
Water Column: 34.97 feet

Purging Activities

Purged By: TC Purge Date: 1/14/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 34.97 ft. x 0.022 = 0.77 L x 3 Vol. = 2.31 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
9:32	0.0	273	purge start time						
9:39	1.9	↓	6.70	1,867.60	12.11	2.43	78.70	35.21	
9:42	2.7		6.74	1,845.80	12.28	2.00	71.80	25.01	
9:45	3.5		6.79	1,762.10	12.34	1.65	64.50	15.03	
9:48	4.4		6.82	1,672.50	12.30	1.49	58.50	14.03	
9:51	5.2		6.84	1,602.60	12.34	1.37	53.40	22.16	
9:54	6.0		6.86	1,541.40	12.32	1.28	48.90	14.34	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/14/2025 9:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.86 pH 1,541.40 Spec. Cond. 12.32 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 43.78 feet below TOC Drawdown: 2.51 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Tracy Carroll

Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q Monitoring Point: G234
Project Location: Newton, IL Sample ID: 067
W.O. Number (s): 24121807 Date (s): 1/14/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 17 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ 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: 1/14/2025 10:13 Static Water Level: 43.62 feet below TOC
Total Depth: 73.81 feet below TOC
Water Column: 30.19 feet

Purging Activities

Purged By: TC Purge Date: 1/14/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 30.19 ft. x 0.022 = 0.66 L x 3 Vol. = 1.98 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
10:13	0.0	280	purge start time						
10:23	2.8	↓	6.98	1,556.30	13.07	2.16	58.70	27.29	
10:26	3.6		6.97	1,478.00	13.02	1.71	55.10	39.38	
10:29	4.5		6.98	1,413.00	13.07	1.45	51.50	34.32	
10:32	5.3		6.99	1,364.00	13.03	1.29	48.30	52.77	
10:35	6.2		6.99	1,325.80	13.06	1.20	45.50	48.54	
10:38	7.0		7.00	1,301.60	13.08	1.11	42.80	64.93	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/14/2025 10:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH 1,301.60 Spec. Cond. 13.08 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 43.75 feet below TOC Drawdown: 0.13 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Tracy Carroll Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G48MG
Sample ID: 068
Date (s): 1/20/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/20/2025 12:28 Static Water Level: 19.44 feet below TOC
Total Depth: 79.90 feet below TOC
Water Column: 60.46 feet

Purging Activities

Purged By: TC Purge Date: 1/20/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 60.46 ft. x 0.022 = 1.33 L x 3 Vol. = 3.99 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Ly Brown

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
12:33	0.0	360	purge start time						
12:37	1.4	↓	7.52	747.40	11.49	2.22	71.50	20.84	
12:40	2.5		7.49	749.10	11.79	1.54	66.90	22.07	
12:43	3.6		7.48	749.80	11.97	1.20	62.70	18.61	
12:46	4.7		7.47	751.30	12.19	0.99	58.70	26.78	
12:49	5.8		7.47	752.00	12.33	0.84	54.60	141.04	
12:52	6.8		7.49	747.90	11.94	0.72	50.00	150.13	
12:55	7.9		7.49	747.10	12.09	0.65	45.60	92.65	
12:58	9.0		7.49	747.50	11.90	0.61	41.70	68.13	

Sampling Activities

Sampled By: PY Sample Date/Time: 1/20/2025 12:58
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.49 pH 747.50 Spec. Cond. 11.90 Temp
Field Filtered: No Filter Type:
Water Level: 19.93 feet below TOC Drawdown: 0.49 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Payton Yoch

Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L1R
Sample ID: 069
Date (s): 1/20/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 9 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/20/2025 11:50

Static Water Level: 52.39 feet below TOC
Total Depth: 60.11 feet below TOC
Water Column: 7.72 feet

Purging Activities

Purged By: _____ Purge Date: _____

Purge Method: _____ Well Diameter: _____

Purge Volume Calculation (L): 7.72 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*

Actual Purge Volume (L): 0.50 L

Physical appearance of purge water: Cloudy Odor: Slight Color: black

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	-	purge start time						
11:54	0.5	↓	10.69	32,332.60	14.33	3.79	-248.10	32.56	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/20/2025 11:54

Sample Method: Direct Sample Sample Equipment: Bladder Pump

Sample Parameters: 10.69 pH 32,332.60 Spec. Cond. 14.33 Temp _____

Field Filtered: No Filter Type: _____

Water Level: - feet below TOC Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L201
Sample ID: 070
Date (s): 1/9/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 15 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 11:48

Static Water Level: 36.79 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)

- DTW Only

Form Completed By: Tracy Carroll

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L202
Sample ID: 071
Date (s): 1/9/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 15 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 11:56

Static Water Level: 39.45 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L203
Sample ID: 072
Date (s): 1/9/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 15 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 12:05

Static Water Level: 31.34 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L204
Sample ID: 073
Date (s): 1/9/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 15 °F

Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 12:19

Static Water Level: 46.66 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L205
Sample ID: 074
Date (s): 1/9/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 15 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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: 1/9/2025 12:11 Static Water Level: 29.47 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/9/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: L301
Sample ID: 075
Date (s): _____

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 9 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: - - Static Water Level: - feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: Bladder Pump Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear Odor: Slight 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
11:38	0.0	-	purge start time						
11:40	0.5	↓	9.12	5,593.20	10.76	9.22	29.10	8.61	
11:43	1.0		10.01	7,474.30	13.39	1.37	-189.70	9.70	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/20/2025 11:43
Sample Method: Direct Sample Sample Equipment: Bladder Pump
Sample Parameters: 10.01 pH 7,474.30 Spec. Cond. 13.39 Temp _____
Field Filtered: No Filter Type: _____
Water Level: - feet below TOC Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: R217D
Sample ID: 076
Date (s): 1/14/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 17 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Other (see note)</u>		Protective Casing	X	
Protective Casing	<u>Other (see note)</u>		Well		X
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 1/14/2025 10:58 Static Water Level: 19.17 feet below TOC
Total Depth: 67.80 feet below TOC
Water Column: 48.63 feet

Purging Activities

Purged By: TC Purge Date: 1/14/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 48.63 ft. x 0.022 = 1.07 L x 3 Vol. = 3.21 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 11.50 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt Brown

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
11:04	0.0	338	purge start time						
11:23	6.4	↓	6.30	3,610.30	12.98	1.15	60.80	130.04	
11:26	7.4		6.29	3,601.30	12.94	1.06	59.70	99.89	
11:29	8.5		6.30	3,591.70	12.76	1.00	58.60	72.14	
11:32	9.5		6.29	3,590.80	12.86	0.94	57.50	60.80	
11:35	10.5		6.29	3,591.10	12.84	0.89	56.50	53.67	
11:38	11.5		6.29	3,580.00	12.76	0.86	55.60	43.79	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/14/2025 11:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.29 pH 3,580.00 Spec. Cond. 12.76 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.98 feet below TOC Drawdown: 0.81 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769
- protective covering is shorter than casing. Lid does not close and well is exposed to elements

Form Completed By: Tracy Carroll Date: 1/14/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: R219
Sample ID: 077
Date (s): 1/15/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/15/2025 12:48 Static Water Level: 21.11 feet below TOC
Total Depth: 64.27 feet below TOC
Water Column: 43.16 feet

Purging Activities

Purged By: BG Purge Date: 1/15/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 43.16 ft. x 0.022 = 0.95 L x 3 Vol. = 2.85 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy Odor: Slight 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
12:48	0.0	375	purge start time						
12:51	1.1	↓	7.40	554.10	12.30	0.93	-98.50	237.23	
12:54	2.3		7.37	543.40	12.12	0.76	-107.50	205.46	
12:57	3.4		7.37	537.00	11.72	0.67	-114.10	163.33	
13:00	4.5		7.38	525.80	11.13	0.66	-118.20	130.35	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/15/2025 13:00
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.38 pH 525.80 Spec. Cond. 11.13 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 23.07 feet below TOC Drawdown: 1.96 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: SG02
Sample ID: 078
Date (s): 1/8/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 11 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 1/8/2025 13:55 Static Water Level: 5.01 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)

- DTW Only

Form Completed By: _____

Brett Gillihan

Date: 1/8/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: XSG01
Sample ID: 079
Date (s): 1/8/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ 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
		X
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 1/8/2025 12:37

Static Water Level: 6.10 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)

- DTW Only

Form Completed By: _____

Tracy Carroll

Date: 1/8/2025



Monitoring Point:	Field Blank
Sample ID:	080
Date (s):	1/20/2025

Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: A213 Duplicate
Sample ID: 081
Date (s): 1/15/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 7 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ 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		X
Protective Casing	<u>Good</u>	Well		X
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/15/2025 9:23 Static Water Level: 25.11 feet below TOC
Total Depth: 61.00 feet below TOC
Water Column: 35.89 feet

Purging Activities

Purged By: TC Purge Date: 1/15/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 35.89 ft. x 0.022 = 0.79 L x 3 Vol. = 2.37 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
9:25	0.0	232	purge start time						
9:35	2.3	↓	6.69	2,550.50	11.80	4.00	95.80	32.02	
9:38	3.0		6.63	2,640.50	12.40	2.51	93.90	14.44	
9:41	3.7		6.65	2,646.90	12.49	1.69	93.20	9.26	
9:44	4.4		6.67	2,639.00	12.39	1.38	92.20	5.50	
9:47	5.1		6.69	2,628.60	12.40	1.22	91.40	4.78	
9:50	5.8		6.70	2,611.00	11.59	1.17	91.00	3.90	
9:53	6.5		6.71	2,586.70	10.55	1.15	91.00	4.19	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/15/2025 9:53
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.71 pH 2,586.70 Spec. Cond. 10.55 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 30.42 feet below TOC Drawdown: 5.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Tracy Carroll

Date: 1/15/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW02 Duplicate
Sample ID: 082
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 11:27 Static Water Level: 4.41 feet below TOC
Total Depth: 23.70 feet below TOC
Water Column: 19.29 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.29 ft. x 0.022 = 0.42 L x 3 Vol. = 1.26 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
11:26	0.0	208	purge start time						
11:29	0.6	↓	6.72	5,416.90	7.89	5.98	1.50	26.47	
11:32	1.3		6.64	5,404.90	7.18	4.71	9.80	2.87	
11:35	1.9		6.63	5,455.00	7.36	4.29	15.90	2.28	
11:38	2.5		6.63	5,457.90	7.16	3.97	20.40	2.15	
11:41	3.1		6.62	5,515.20	7.58	3.63	24.10	2.00	
11:44	3.7		6.62	5,568.70	7.75	3.37	26.90	1.43	
11:47	4.4		6.62	5,539.60	7.63	3.17	29.00	0.96	
11:50	5.0		6.62	5,606.60	7.93	3.02	31.00	0.65	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 11:50
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.62 pH 5,606.60 Spec. Cond. 7.93 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 7.03 feet below TOC Drawdown: 2.62 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/14/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: APW19S Duplicate
Sample ID: 083
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 12:14 Static Water Level: 6.37 feet below TOC
Total Depth: 20.34 feet below TOC
Water Column: 13.97 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.97 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
12:15	0.0	219	purge start time						
12:19	0.9	↓	6.74	5,435.00	9.62	3.92	40.30	22.31	
12:22	1.5		6.72	5,416.80	9.72	3.00	42.80	19.58	
12:25	2.2		6.72	5,450.10	9.35	2.80	44.90	17.25	
12:28	2.8		6.72	5,359.70	8.73	2.74	46.40	15.03	
12:31	3.5		6.71	5,414.20	9.44	2.69	47.70	14.56	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 12:31
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.71 pH 5,414.20 Spec. Cond. 9.44 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.98 feet below TOC Drawdown: 2.61 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/14/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G104 Duplicate
Sample ID: 084
Date (s): 1/20/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 13 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/20/2025 11:56 Static Water Level: 6.26 feet below TOC
Total Depth: 42.96 feet below TOC
Water Column: 36.70 feet

Purging Activities

Purged By: BG Purge Date: 1/20/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 36.7 ft. x 0.022 = 0.81 L x 3 Vol. = 2.43 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 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
11:56	0.0	100	purge start time						
12:09	1.3	↓	7.07	562.20	9.62	6.43	-49.70	16.68	
12:12	1.6		7.02	522.30	8.01	6.37	-42.50	15.55	
12:15	1.9		7.01	516.70	8.47	6.60	-38.60	11.05	
12:18	2.2		7.00	510.50	8.19	6.62	-35.80	10.15	
12:21	2.5		6.99	508.10	8.67	6.49	-34.70	8.48	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/20/2025 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.99 pH 508.10 Spec. Cond. 8.67 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.89 feet below TOC Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/20/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G125 Duplicate
Sample ID: 085
Date (s): 1/14/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 24 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/14/2025 9:46 Static Water Level: 3.41 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 19.39 feet

Purging Activities

Purged By: JC Purge Date: 1/14/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.39 ft. x 0.022 = 0.43 L x 3 Vol. = 1.29 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 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
9:47	0.0	233	purge start time						
9:50	0.7	↓	6.73	4,596.30	7.80	6.37	95.70	6.86	
9:53	1.4		6.67	4,669.60	7.50	5.90	94.10	4.19	
9:56	2.1		6.68	4,680.50	7.47	5.61	95.10	2.72	
9:59	2.8		6.67	4,650.50	7.59	5.38	96.90	2.39	
10:02	3.5		6.66	4,666.40	7.58	5.20	98.50	2.01	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/14/2025 10:02
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.66 pH 4,666.40 Spec. Cond. 7.58 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.51 feet below TOC Drawdown: 5.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/14/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G220 Duplicate
Sample ID: 086
Date (s): 1/15/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 4 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ 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: 1/15/2025 12:35 Static Water Level: 18.50 feet below TOC
Total Depth: 88.40 feet below TOC
Water Column: 69.90 feet

Purging Activities

Purged By: TC Purge Date: 1/15/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 69.9 ft. x 0.022 = 1.54 L x 3 Vol. = 4.62 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt brown

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
12:35	0.0	185	purge start time						
12:44	1.7	↓	6.88	1,200.60	10.68	2.08	77.40	26.85	
12:47	2.3		6.82	1,202.70	11.03	1.75	74.30	49.34	
12:50	2.8		6.78	1,203.60	11.41	1.52	70.80	141.68	
12:53	3.4		6.78	1,183.30	10.39	1.38	68.20	233.47	
12:56	3.9		6.76	1,188.10	10.72	1.24	65.90	375.92	
12:59	4.5		6.74	1,184.30	10.91	1.12	63.40	522.28	
13:02	5.0		6.74	1,186.00	10.69	1.06	60.70	496.29	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/15/2025 13:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH 1,186.00 Spec. Cond. 10.69 Temp
Field Filtered: No Filter Type:
Water Level: 25.42 feet below TOC Drawdown: 6.92 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769
- Air leak. Needs new hose fitting.

Form Completed By:

Tracy Carroll

Date: 1/15/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: G48MG Duplicate
Sample ID: 087
Date (s): 1/20/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 11 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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: 1/20/2025 12:28 Static Water Level: 19.44 feet below TOC
Total Depth: 79.90 feet below TOC
Water Column: 60.46 feet

Purging Activities

Purged By: TC Purge Date: 1/20/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 60.46 ft. x 0.022 = 1.33 L x 3 Vol. = 3.99 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Ly Brown

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
12:33	0.0	360	purge start time						
12:37	1.4	↓	7.52	747.40	11.49	2.22	71.50	20.84	
12:40	2.5		7.49	749.10	11.79	1.54	66.90	22.07	
12:43	3.6		7.48	749.80	11.97	1.20	62.70	18.61	
12:46	4.7		7.47	751.30	12.19	0.99	58.70	26.78	
12:49	5.8		7.47	752.00	12.33	0.84	54.60	141.04	
12:52	6.8		7.49	747.90	11.94	0.72	50.00	150.13	
12:55	7.9		7.49	747.10	12.09	0.65	45.60	92.65	
12:58	9.0		7.49	747.50	11.90	0.61	41.70	68.13	

Sampling Activities

Sampled By: PY Sample Date/Time: 1/20/2025 12:58
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.49 pH 747.50 Spec. Cond. 11.90 Temp
Field Filtered: No Filter Type: _____
Water Level: 19.93 feet below TOC Drawdown: 0.49 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: Date: 1/20/2025

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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: R219 Duplicate
Sample ID: 088
Date (s): 1/15/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 17 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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: 1/15/2025 12:48 Static Water Level: 21.11 feet below TOC
Total Depth: 64.27 feet below TOC
Water Column: 43.16 feet

Purging Activities

Purged By: BG Purge Date: 1/15/2025
Purge Method: Submersible Pump Well Diameter: 2"
Purge Volume Calculation (L): 43.16 ft. x 0.022 = 0.95 L x 3 Vol. = 2.85 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy Odor: Slight 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
12:48	0.0	375	purge start time						
12:51	1.1	↓	7.40	554.10	12.30	0.93	-98.50	237.23	
12:54	2.3		7.37	543.40	12.12	0.76	-107.50	205.46	
12:57	3.4		7.37	537.00	11.72	0.67	-114.10	163.33	
13:00	4.5		7.38	525.80	11.13	0.66	-118.20	130.35	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/15/2025 13:00
Sample Method: Low Flow Sample Equipment: Submersible Pump
Sample Parameters: 7.38 pH 525.80 Spec. Cond. 11.13 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 23.07 feet below TOC Drawdown: 1.96 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/15/2025



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Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: Equipment Blank 1
Sample ID: 089
Date (s): 1/15/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 17 °F

Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: - -

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): _____

Actual Purge Volume (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

Sampling Activities

Sampled By: JC

Sample Date/Time: 1/15/2025 16:00

Sample Method: Direct Sample

Sample Equipment: Direct Grab

Sample Parameters: pH Spec. Cond. Temp

Field Filtered: No Filter Type: Lab Filtered

Water Level: - feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- QA/QC Sample
- Filter upon arrival at the lab

Form Completed By: 

Date: 1/15/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: Equipment Blank 2
Sample ID: 090
Date (s): 1/20/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 9 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ 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		X
Well		X

Groundwater Level Measurements

Date/Time Measured: - -

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): _____
Actual Purge Volume (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

Sampling Activities

Sampled By: JC Sample Date/Time: 1/20/2025 13:20
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: No Filter Type: Lab Filtered
Water Level: - feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- QA/QC Sample
- Filter upon arrival at the lab

Form Completed By: _____

Date: 1/20/2025



Field Data Sheet

Project Name: Newton 1Q
Project Location: Newton, IL
W.O. Number (s): 24121807

Monitoring Point: Equipment Blank 3
Sample ID: 091
Date (s): 1/16/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ 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		X
Well		X

Groundwater Level Measurements

Date/Time Measured: - -

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): _____
Actual Purge Volume (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

Sampling Activities

Sampled By: JC Sample Date/Time: 1/16/2025 11:40
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: No Filter Type: Lab Filtered
Water Level: - feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- QA/QC Sample
- Filter upon arrival at the lab

Form Completed By: 

Date: 1/16/2025



Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 44954 Technician(s): justin colp Date: 1/9/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/9/25 8:58
7.0 Buffer	wc240913b	7.00	1/9/25 8:58
10.0 Buffer	wc240625b	10.00	1/9/25 8:58
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/9/25 8:59

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.27	1/9/25 8:59
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-1- JC	LCS	1/9/25 9:00	0.1	7.01	1,411	0.27		
CCV-1-JC	CCV	1/9/25 11:54	8.2	6.98	1,417	0.3		

Comments:

Field Meter ID: Pine 44954 Technician(s): justin colp Date: 1/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/13/25 8:14
7.0 Buffer	wc240913b	7.00	1/13/25 8:11
10.0 Buffer	wc240625b	10.00	1/13/25 8:17
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/13/25 8:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.32	1/13/25 8:24
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	1/13/25 8:31	18.8	7.01	1,418	0.32		
CCV-M-2-JC	CCV	1/13/25 12:11	18.1	7.01	1,420	0.36		
CCV-2-JC	CCV	1/13/25 14:39	17	7.03	1,422	0.38		

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 44954 Technician(s): justin colp Date: 1/14/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/14/25 8:20
7.0 Buffer	wc240913b	7.00	1/14/25 8:17
10.0 Buffer	wc240625b	10.00	1/14/25 8:24
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/14/25 8:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.35	1/14/25 8:27
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	1/14/25 8:29	18.9	6.98	1,415	0.35		
CCV-M-3-JC	ccv	1/14/25 11:54	17.9	7.00	1,420	0.66		
CCV-3-JC	ccv	1/14/25 14:26	17.3	7.02	1,424	0.82		

Comments:

Field Meter ID: Pine 44954 Technician(s): justin colp Date: 1/15/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/15/25 8:13
7.0 Buffer	wc240913b	7.00	1/15/25 8:10
10.0 Buffer	wc240625b	10.00	1/15/25 8:17
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/15/25 8:22

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.42	1/15/25 8:22
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	1/15/25 8:30	18.9	7.02	1,419	0.42		
CCV-4-JC	ccv	1/15/25 13:35	18.5	7.05	1,433	0.85		

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 44954 Technician(s): justin colp Date: 1/16/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/16/25 8:24
7.0 Buffer	wc240913b	7.00	1/16/25 8:19
10.0 Buffer	wc240625b	10.00	1/16/25 8:28
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/16/25 8:34

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.75	1/16/25 8:34
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-JC	LCS	1/16/25 8:37	18.8	6.99	1,413	0.78		
CCV-5-JC	CCV	1/16/25 11:29	18.4	7.02	1,410	0.89		

Comments:

Field Meter ID: Pine 44954 Technician(s): justin colp Date: 1/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/20/25 10:23
7.0 Buffer	wc240913b	7.00	1/20/25 10:19
10.0 Buffer	wc240625b	10.00	1/20/25 10:25
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/20/25 10:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.81	1/20/25 10:30
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-6-JC	LCS	1/20/25 10:38	18.2	6.98	1,409	0.64		
CCV-6-JC	CCV	1/20/25 12:11	17.7	7.02	1,422	0.6		

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 46868 Technician(s): Brett Gillihan Date: 1/9/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	1/9/25 9:08
7.0 Buffer	WC240913B	7.03	1/9/25 9:08
10.0 Buffer	WC240625B	9.99	1/9/25 9:09
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1418	1/9/25 9:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.5	1/9/25 9:09
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	1/9/25 9:09	0.3	7.03	1,418	0.5		
CCV-M-1	CCV	1/9/25 11:32	8.9	7.02	1,421	0.7		
CCV-1-BG	CCV	1/9/25 14:35	15.6	7.04	1,423	0.8		

Comments: _____

Field Meter ID: Pine 210769 Technician(s): Tracy Carroll Date: 1/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/13/25 10:24
7.0 Buffer	WC240913B	7.03	1/13/25 10:23
10.0 Buffer	WC240625B	10.00	1/13/25 10:27
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/13/25 10:30

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	1/13/25 10:32
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	1/13/25 10:35	18.9	7.07	1,413	1.6		
CCV-2-TC	CCV	1/13/25 14:41	19	7.06	1,433	1.08		

Comments: _____

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 46868 Technician(s): Brett Gillihan Date: 1/14/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/14/25 8:26
7.0 Buffer	WC240913B	6.99	1/14/25 8:24
10.0 Buffer	WC240625B	10.02	1/14/25 8:31
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/14/25 8:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-BG	LCS	1/14/25 8:36	15.2	6.99	1,412			
CCV-M-3-BG	CCV	1/14/25 11:49	16.6	7.00	1,413			
CCV-3-BG	CCV	1/14/25 14:18	16.2	7.00	1,412			

Comments:

Field Meter ID: Pine 46868 Technician(s): Brett Gillihan Date: 1/15/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.02	1/15/25 8:17
7.0 Buffer	WC240913B	7.03	1/15/25 8:13
10.0 Buffer	WC240625B	9.99	1/15/25 8:20
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1418	1/15/25 8:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-BG	LCS	1/15/25 8:24	18.4	7.02	1,418			
CCV-4-BG	CCV	1/16/25 14:39	19.4	7.00	1,418			

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 46868 Technician(s): Brett Gillihan Date: 1/16/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/16/25 8:29
7.0 Buffer	WC240913B	7.02	1/16/25 8:26
10.0 Buffer	WC240625B	9.99	1/16/25 8:31
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1420	1/16/25 8:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-BG	LCS	1/16/25 8:33	18.5	7.02	1,420			
CCV-5-BG	CCV	1/20/25 10:25	19	7.02	1,420			

Comments:

Field Meter ID: Pine 46868 Technician(s): Brett Gillihan Date: 1/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	1/20/25 10:30
7.0 Buffer	WC240913B	7.02	1/20/25 10:25
10.0 Buffer	WC240625B	10.00	1/20/25 10:33
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1417	1/20/25 10:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-6-BG	LCS	1/20/25 10:34	18.9	7.02	1,417			
CCV-6-BG	CCV	1/20/25 12:38	17.4	7.20	1,417			

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 210769 Technician(s): Tracy Carroll Date: 1/9/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	1/9/25 9:05
7.0 Buffer	WC240913B	7.00	1/9/25 9:04
10.0 Buffer	WC240625B	10.00	1/9/25 9:09
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/9/25 9:13

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	1/9/25 9:18
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	1/9/25 9:20	0.3	7.08	1,411	1.6		
CCV-M-1-TC	CCV	1/9/25 12:01	7.7	7.07	1,411	1.6		
CCV-1-TC	CCV	1/9/25 14:33	8.6	7.06	1,413	1.5		

Comments:

Field Meter ID: Pine 46868 Technician(s): Brett Gillihan Date: 1/13/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.98	1/13/25 8:54
7.0 Buffer	WC240913B	7.01	1/13/25 8:51
10.0 Buffer	WC240625B	10.00	1/13/25 8:57
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1419	1/13/25 9:02

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-2_BG	LCS	1/13/25 9:04	19	7.01	1,419			
CCV-2_BG	CCV	1/13/25 14:19	20	7.02	1,419			

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 210769 Technician(s): Tracy Carroll Date: 1/14/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/14/25 8:29
7.0 Buffer	WC240913B	7.03	1/14/25 8:28
10.0 Buffer	WC240625B	10.00	1/14/25 8:32
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/14/25 8:40

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	1/14/25 8:44	19	7.06	1,413	1.42		
CCV-M-3-TC	ccv	1/14/25 12:12	18.9	7.04	1,422	1.61		
CCV-3-TC	ccv	1/14/25 14:11	18.6	7.01	1,498	1.56		

Comments:

Field Meter ID: Pine 210769 Technician(s): Tracy Carroll Date: 1/15/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/15/25 9:06
7.0 Buffer	WC240913B	7.00	1/15/25 9:02
10.0 Buffer	WC240625B	10.00	1/15/25 9:07
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/15/25 9:08

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-TC	LCS	1/15/25 9:07	19	7.05	1,413	1.74		
CCV-4-TC	ccv	1/15/25 14:25	19	7.04	1,453	1.35		

Comments:

Site Sampling Event: NEW- 25Q1
LIMS Workorder: 24121807
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Newton- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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 210769 Technician(s): Tracy Carroll Date: 1/16/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/16/25 9:23
7.0 Buffer	WC240913B	7.00	1/16/25 9:23
10.0 Buffer	WC240625B	10.00	1/16/25 9:24
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/16/25 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-TC	LCS	1/16/25 9:25	18.8	7.06	1,413	1.08		
CCV-M-5-TC	ccv	1/16/25 12:30	16.7	7.04	1,422	1.24		
CCV-5-TC	ccv	1/16/25 14:33	16.8	7.04	1,429	1.36		

Comments: _____

Field Meter ID: Pine 210769 Technician(s): Payton Yoch Date: 1/20/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/20/25 10:33
7.0 Buffer	WC240913B	7.00	1/20/25 10:30
10.0 Buffer	WC240625B	10.00	1/20/25 10:35
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/20/25 10:38

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-6-PY	LCS	1/20/25 10:40	18.6	7.08	1,412	1.9		
CCV-6-PY	ccv	1/20/25 13:20	19	7.05	1,318	1.99		

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 210769
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:04:11PM

Manufacturer YSI	State Certified
Model Number Pro DSS	Status Pass
Serial Number/ Lot Number 16B102807	Temp °C 22.2
Location St. Louis	Humidity % 43
Department	

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.75	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.90	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.54	10.04	0.40%	Pass

Group # 2				Range Acc % 0.0000			
Group Name Turbidity (NTU)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	5.52	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	94.34	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			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.545	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			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	186.50	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			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail



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 210769
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:04:11PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	85.50	99.60	-0.40%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date /	
					Last Cal Date/ Opened Date	Expiration Date
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
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#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
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 Chris Harkins

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

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 44954
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:06:37PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 18L101938
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>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.00	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.20	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.91	10.04	0.40%	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>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.51	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	107.87	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>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.592	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>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	245.30	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 Range				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>



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 44954
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:06:37PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading Range				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>
100.00 / 100.00	%Volume	100.00	%Volume	92.70	99.60	-0.40%	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
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
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#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
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 Chris Harkins

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

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:01:15PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19K103392
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.20	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.99	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.50	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	97.41	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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.048	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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	234.90	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

<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>
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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 46868
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:01:15PM

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	%

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
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
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#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
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 Chris Harkins

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

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 1, 2025**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW02	UD	E008	Antimony, total	mg/L	02/17/21 - 01/14/25	17	94	CB around T-S line	0.000109	0.003
APW02	UD	E008	Arsenic, total	mg/L	02/17/21 - 01/14/25	17	82	CI around median	0.001	0.0590
APW02	UD	E008	Barium, total	mg/L	02/17/21 - 01/14/25	17	0	CI around geomean	0.00929	0.300
APW02	UD	E008	Beryllium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.001	0.001
APW02	UD	E008	Boron, total	mg/L	02/17/21 - 01/14/25	17	0	CI around geomean	0.0947	0.260
APW02	UD	E008	Cadmium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.001	0.001
APW02	UD	E008	Chloride, total	mg/L	02/17/21 - 01/14/25	17	0	CI around mean	93.9	52.0
APW02	UD	E008	Chromium, total	mg/L	02/17/21 - 01/14/25	17	82	CB around T-S line	0.000539	0.0110
APW02	UD	E008	Cobalt, total	mg/L	02/17/21 - 01/14/25	17	88	CB around T-S line	0.000626	0.00430
APW02	UD	E008	Fluoride, total	mg/L	02/17/21 - 01/14/25	17	71	CI around median	0.22	0.633
APW02	UD	E008	Lead, total	mg/L	02/17/21 - 01/14/25	17	94	CI around median	0.001	0.00740
APW02	UD	E008	Lithium, total	mg/L	02/17/21 - 01/14/25	17	0	CI around geomean	0.0953	0.0300
APW02	UD	E008	Mercury, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.0002	0.0002
APW02	UD	E008	Molybdenum, total	mg/L	02/17/21 - 01/14/25	16	50	CB around linear reg	0.00155	0.0180
APW02	UD	E008	pH (field)	SU	02/17/21 - 01/14/25	23	0	CI around median	6.6/6.8	6.4/7.8
APW02	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/14/25	16	0	CI around mean	0.319	6.90
APW02	UD	E008	Selenium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.001	0.001
APW02	UD	E008	Sulfate, total	mg/L	02/17/21 - 01/14/25	17	0	CI around median	2,900	35.8
APW02	UD	E008	Thallium, total	mg/L	02/17/21 - 01/14/25	17	100	All ND - Last	0.002	0.001
APW02	UD	E008	Total Dissolved Solids	mg/L	02/17/21 - 01/14/25	23	0	CI around median	4,800	628
APW03	UD	E008	Antimony, total	mg/L	02/18/21 - 01/16/25	17	94	CB around T-S line	0.000122	0.003
APW03	UD	E008	Arsenic, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.0590
APW03	UD	E008	Barium, total	mg/L	02/18/21 - 01/16/25	17	0	CB around linear reg	0.092	0.300
APW03	UD	E008	Beryllium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW03	UD	E008	Boron, total	mg/L	02/18/21 - 01/16/25	17	0	CI around geomean	0.395	0.260
APW03	UD	E008	Cadmium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW03	UD	E008	Chloride, total	mg/L	02/18/21 - 01/16/25	17	0	CI around mean	7.85	52.0

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW03	UD	E008	Chromium, total	mg/L	02/18/21 - 01/16/25	17	76	CB around T-S line	0.000674	0.0110
APW03	UD	E008	Cobalt, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.00430
APW03	UD	E008	Fluoride, total	mg/L	02/18/21 - 01/16/25	17	65	CI around median	0.24	0.633
APW03	UD	E008	Lead, total	mg/L	02/18/21 - 01/16/25	17	94	CI around median	0.001	0.00740
APW03	UD	E008	Lithium, total	mg/L	02/18/21 - 01/16/25	17	24	CB around linear reg	0.00388	0.0300
APW03	UD	E008	Mercury, total	mg/L	02/18/21 - 01/16/25	17	94	CI around median	0.0002	0.0002
APW03	UD	E008	Molybdenum, total	mg/L	02/18/21 - 01/16/25	16	44	CI around mean	0.00114	0.0180
APW03	UD	E008	pH (field)	SU	02/18/21 - 01/16/25	23	0	CI around mean	6.8/7.1	6.4/7.8
APW03	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/16/25	16	0	CI around geomean	0.223	6.90
APW03	UD	E008	Selenium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW03	UD	E008	Sulfate, total	mg/L	02/18/21 - 01/16/25	17	0	CB around linear reg	79.7	35.8
APW03	UD	E008	Thallium, total	mg/L	02/18/21 - 01/16/25	17	100	All ND - Last	0.002	0.001
APW03	UD	E008	Total Dissolved Solids	mg/L	02/18/21 - 01/16/25	23	0	CI around mean	622	628
APW04	UD	E008	Antimony, total	mg/L	02/18/21 - 01/15/25	17	94	CB around T-S line	0.0000786	0.003
APW04	UD	E008	Arsenic, total	mg/L	02/18/21 - 01/15/25	17	59	CI around median	0.001	0.0590
APW04	UD	E008	Barium, total	mg/L	02/18/21 - 01/15/25	17	0	CI around mean	0.0186	0.300
APW04	UD	E008	Beryllium, total	mg/L	02/18/21 - 01/15/25	17	100	All ND - Last	0.001	0.001
APW04	UD	E008	Boron, total	mg/L	02/18/21 - 01/15/25	17	6	CI around median	0.024	0.260
APW04	UD	E008	Cadmium, total	mg/L	02/18/21 - 01/15/25	17	94	CI around median	0.001	0.001
APW04	UD	E008	Chloride, total	mg/L	02/18/21 - 01/15/25	17	0	CI around mean	31.2	52.0
APW04	UD	E008	Chromium, total	mg/L	02/18/21 - 01/15/25	17	76	CB around T-S line	0.00147	0.0110
APW04	UD	E008	Cobalt, total	mg/L	02/18/21 - 01/15/25	17	94	CB around T-S line	0.00051	0.00430
APW04	UD	E008	Fluoride, total	mg/L	02/18/21 - 01/15/25	17	71	CI around median	0.2	0.633
APW04	UD	E008	Lead, total	mg/L	02/18/21 - 01/15/25	17	76	CI around median	0.001	0.00740
APW04	UD	E008	Lithium, total	mg/L	02/18/21 - 01/15/25	17	18	CI around median	0.021	0.0300
APW04	UD	E008	Mercury, total	mg/L	02/18/21 - 01/15/25	17	94	CI around median	0.0002	0.0002
APW04	UD	E008	Molybdenum, total	mg/L	02/18/21 - 01/15/25	16	88	CB around T-S line	0.001	0.0180

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW04	UD	E008	pH (field)	SU	02/18/21 - 01/15/25	23	0	CI around median	6.7/6.9	6.4/7.8
APW04	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/15/25	16	0	CI around mean	0.241	6.90
APW04	UD	E008	Selenium, total	mg/L	02/18/21 - 01/15/25	17	100	All ND - Last	0.001	0.001
APW04	UD	E008	Sulfate, total	mg/L	02/18/21 - 01/15/25	17	0	CB around T-S line	566	35.8
APW04	UD	E008	Thallium, total	mg/L	02/18/21 - 01/15/25	17	100	All ND - Last	0.002	0.001
APW04	UD	E008	Total Dissolved Solids	mg/L	02/18/21 - 01/15/25	23	0	CI around median	1,700	628
APW05S	UD	E008	Antimony, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.001	0.003
APW05S	UD	E008	Arsenic, total	mg/L	02/17/21 - 01/15/25	16	50	CI around median	0.001	0.0590
APW05S	UD	E008	Barium, total	mg/L	02/17/21 - 01/15/25	16	0	CB around T-S line	0.0183	0.300
APW05S	UD	E008	Beryllium, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.001	0.001
APW05S	UD	E008	Boron, total	mg/L	02/17/21 - 01/15/25	16	0	CI around median	0.039	0.260
APW05S	UD	E008	Cadmium, total	mg/L	02/17/21 - 01/15/25	16	94	CI around median	0.001	0.001
APW05S	UD	E008	Chloride, total	mg/L	02/17/21 - 01/15/25	16	0	CB around T-S line	-8.16	52.0
APW05S	UD	E008	Chromium, total	mg/L	02/17/21 - 01/15/25	16	81	CB around T-S line	0.000245	0.0110
APW05S	UD	E008	Cobalt, total	mg/L	02/17/21 - 01/15/25	16	44	CB around T-S line	-0.00107	0.00430
APW05S	UD	E008	Fluoride, total	mg/L	02/17/21 - 01/15/25	16	12	CI around mean	0.332	0.633
APW05S	UD	E008	Lead, total	mg/L	02/17/21 - 01/15/25	16	94	CI around median	0.001	0.00740
APW05S	UD	E008	Lithium, total	mg/L	02/17/21 - 01/15/25	16	0	CI around median	0.0366	0.0300
APW05S	UD	E008	Mercury, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.0002	0.0002
APW05S	UD	E008	Molybdenum, total	mg/L	02/17/21 - 01/15/25	15	40	CI around median	0.0013	0.0180
APW05S	UD	E008	pH (field)	SU	02/17/21 - 01/15/25	16	0	CI around mean	6.6/6.9	6.4/7.8
APW05S	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/15/25	15	0	CI around geomean	0.249	6.90
APW05S	UD	E008	Selenium, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.001	0.001
APW05S	UD	E008	Sulfate, total	mg/L	02/17/21 - 01/15/25	16	0	CI around median	1,700	35.8
APW05S	UD	E008	Thallium, total	mg/L	02/17/21 - 01/15/25	16	100	All ND - Last	0.002	0.001
APW05S	UD	E008	Total Dissolved Solids	mg/L	02/17/21 - 01/15/25	16	0	CI around mean	3,330	628
APW07	UA	E008	Antimony, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.001	0.003

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW07	UA	E008	Arsenic, total	mg/L	12/15/15 - 01/20/25	19	0	CB around linear reg	0.011	0.0590
APW07	UA	E008	Barium, total	mg/L	12/15/15 - 01/20/25	19	0	CB around T-S line	0.45	0.300
APW07	UA	E008	Beryllium, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.001	0.001
APW07	UA	E008	Boron, total	mg/L	12/15/15 - 01/20/25	29	0	CI around median	0.0769	0.260
APW07	UA	E008	Cadmium, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.001	0.001
APW07	UA	E008	Chloride, total	mg/L	12/15/15 - 01/20/25	32	0	CB around T-S line	55.2	52.0
APW07	UA	E008	Chromium, total	mg/L	12/15/15 - 01/20/25	19	53	CI around median	0.0031	0.0110
APW07	UA	E008	Cobalt, total	mg/L	12/15/15 - 01/20/25	18	78	CI around median	0.001	0.00430
APW07	UA	E008	Fluoride, total	mg/L	12/15/15 - 01/20/25	29	10	CI around mean	0.36	0.633
APW07	UA	E008	Lead, total	mg/L	12/15/15 - 01/20/25	19	63	CI around median	0.001	0.00740
APW07	UA	E008	Lithium, total	mg/L	12/15/15 - 01/20/25	19	68	CI around median	0.0042	0.0300
APW07	UA	E008	Mercury, total	mg/L	12/15/15 - 01/20/25	19	100	All ND - Last	0.0002	0.0002
APW07	UA	E008	Molybdenum, total	mg/L	12/15/15 - 01/20/25	18	0	CI around mean	0.00299	0.0180
APW07	UA	E008	pH (field)	SU	12/15/15 - 01/20/25	31	0	CI around mean	7.2/7.3	6.4/7.8
APW07	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/20/25	19	0	CI around mean	1.46	6.90
APW07	UA	E008	Selenium, total	mg/L	12/15/15 - 01/20/25	19	100	All ND - Last	0.001	0.001
APW07	UA	E008	Sulfate, total	mg/L	12/15/15 - 01/20/25	30	13	CB around T-S line	13.9	35.8
APW07	UA	E008	Thallium, total	mg/L	12/15/15 - 01/20/25	18	100	All ND - Last	0.002	0.001
APW07	UA	E008	Total Dissolved Solids	mg/L	12/15/15 - 01/20/25	29	0	CB around T-S line	556	628
APW08	UA	E008	Antimony, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.001	0.003
APW08	UA	E008	Arsenic, total	mg/L	12/15/15 - 01/14/25	19	0	CB around linear reg	0.0213	0.0590
APW08	UA	E008	Barium, total	mg/L	12/15/15 - 01/14/25	19	0	CB around T-S line	0.455	0.300
APW08	UA	E008	Beryllium, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.001	0.001
APW08	UA	E008	Boron, total	mg/L	12/15/15 - 01/14/25	29	0	CI around median	0.083	0.260
APW08	UA	E008	Cadmium, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.001	0.001
APW08	UA	E008	Chloride, total	mg/L	12/15/15 - 01/14/25	31	0	CI around mean	55	52.0
APW08	UA	E008	Chromium, total	mg/L	12/15/15 - 01/14/25	19	53	CI around median	0.0037	0.0110

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW08	UA	E008	Cobalt, total	mg/L	12/15/15 - 01/14/25	18	67	CI around median	0.001	0.00430
APW08	UA	E008	Fluoride, total	mg/L	12/15/15 - 01/14/25	29	14	CI around median	0.393	0.633
APW08	UA	E008	Lead, total	mg/L	12/15/15 - 01/14/25	19	58	CI around median	0.001	0.00740
APW08	UA	E008	Lithium, total	mg/L	12/15/15 - 01/14/25	19	58	CI around median	0.0035	0.0300
APW08	UA	E008	Mercury, total	mg/L	12/15/15 - 01/14/25	19	100	All ND - Last	0.0002	0.0002
APW08	UA	E008	Molybdenum, total	mg/L	12/15/15 - 01/14/25	18	0	CI around mean	0.00473	0.0180
APW08	UA	E008	pH (field)	SU	12/15/15 - 01/14/25	32	0	CI around mean	7.2/7.4	6.4/7.8
APW08	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/14/25	19	0	CI around geomean	0.924	6.90
APW08	UA	E008	Selenium, total	mg/L	12/15/15 - 01/14/25	19	95	CI around median	0.001	0.001
APW08	UA	E008	Sulfate, total	mg/L	12/15/15 - 01/14/25	31	0	CB around linear reg	50.3	35.8
APW08	UA	E008	Thallium, total	mg/L	12/15/15 - 01/14/25	18	100	All ND - Last	0.002	0.001
APW08	UA	E008	Total Dissolved Solids	mg/L	12/15/15 - 01/14/25	29	0	CB around linear reg	609	628
APW09	UA	E008	Antimony, total	mg/L	12/15/15 - 01/16/25	18	94	CB around T-S line	0.000658	0.003
APW09	UA	E008	Arsenic, total	mg/L	12/15/15 - 01/16/25	19	0	CB around linear reg	0.0248	0.0590
APW09	UA	E008	Barium, total	mg/L	12/15/15 - 01/16/25	19	0	CI around mean	0.34	0.300
APW09	UA	E008	Beryllium, total	mg/L	12/15/15 - 01/16/25	18	100	All ND - Last	0.001	0.001
APW09	UA	E008	Boron, total	mg/L	12/15/15 - 01/16/25	29	0	CB around linear reg	0.098	0.260
APW09	UA	E008	Cadmium, total	mg/L	12/15/15 - 01/16/25	18	100	All ND - Last	0.001	0.001
APW09	UA	E008	Chloride, total	mg/L	12/15/15 - 01/16/25	31	0	CB around T-S line	127	52.0
APW09	UA	E008	Chromium, total	mg/L	12/15/15 - 01/16/25	19	63	CI around median	0.0018	0.0110
APW09	UA	E008	Cobalt, total	mg/L	12/15/15 - 01/16/25	18	89	CB around T-S line	0.000819	0.00430
APW09	UA	E008	Fluoride, total	mg/L	12/15/15 - 01/16/25	30	10	CB around linear reg	0.264	0.633
APW09	UA	E008	Lead, total	mg/L	12/15/15 - 01/16/25	19	58	CI around median	0.001	0.00740
APW09	UA	E008	Lithium, total	mg/L	12/15/15 - 01/16/25	19	63	CI around median	0.0088	0.0300
APW09	UA	E008	Mercury, total	mg/L	12/15/15 - 01/16/25	19	90	CI around median	0.0002	0.0002
APW09	UA	E008	Molybdenum, total	mg/L	12/15/15 - 01/16/25	18	0	CB around linear reg	-0.00209	0.0180
APW09	UA	E008	pH (field)	SU	12/15/15 - 01/16/25	31	0	CI around median	7.4/7.5	6.4/7.8

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW09	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/16/25	19	0	CI around geomean	0.995	6.90
APW09	UA	E008	Selenium, total	mg/L	12/15/15 - 01/16/25	19	95	CI around median	0.001	0.001
APW09	UA	E008	Sulfate, total	mg/L	12/15/15 - 01/16/25	31	13	CI around geomean	5.81	35.8
APW09	UA	E008	Thallium, total	mg/L	12/15/15 - 01/16/25	18	100	All ND - Last	0.002	0.001
APW09	UA	E008	Total Dissolved Solids	mg/L	12/15/15 - 01/16/25	30	0	CB around T-S line	797	628
APW10	UA	E008	Antimony, total	mg/L	12/16/15 - 01/15/25	20	95	CB around T-S line	0.000645	0.003
APW10	UA	E008	Arsenic, total	mg/L	12/16/15 - 01/15/25	21	5	CI around mean	0.0064	0.0590
APW10	UA	E008	Barium, total	mg/L	12/16/15 - 01/15/25	21	0	CI around mean	0.0289	0.300
APW10	UA	E008	Beryllium, total	mg/L	12/16/15 - 01/15/25	20	100	All ND - Last	0.001	0.001
APW10	UA	E008	Boron, total	mg/L	12/16/15 - 01/15/25	31	0	CI around median	0.0702	0.260
APW10	UA	E008	Cadmium, total	mg/L	12/16/15 - 01/15/25	20	100	All ND - Last	0.001	0.001
APW10	UA	E008	Chloride, total	mg/L	12/16/15 - 01/15/25	32	0	CB around linear reg	40.6	52.0
APW10	UA	E008	Chromium, total	mg/L	12/16/15 - 01/15/25	21	81	CB around T-S line	0.00188	0.0110
APW10	UA	E008	Cobalt, total	mg/L	12/16/15 - 01/15/25	20	90	CB around T-S line	0.000838	0.00430
APW10	UA	E008	Fluoride, total	mg/L	12/16/15 - 01/15/25	31	23	CI around mean	0.262	0.633
APW10	UA	E008	Lead, total	mg/L	12/16/15 - 01/15/25	21	86	CI around median	0.001	0.00740
APW10	UA	E008	Lithium, total	mg/L	12/16/15 - 01/15/25	21	5	CI around mean	0.0202	0.0300
APW10	UA	E008	Mercury, total	mg/L	12/16/15 - 01/15/25	21	100	All ND - Last	0.0002	0.0002
APW10	UA	E008	Molybdenum, total	mg/L	12/16/15 - 01/15/25	20	5	CB around T-S line	0.00407	0.0180
APW10	UA	E008	pH (field)	SU	12/16/15 - 01/15/25	34	0	CI around mean	7.1/7.2	6.4/7.8
APW10	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 01/15/25	21	0	CI around geomean	0.389	6.90
APW10	UA	E008	Selenium, total	mg/L	12/16/15 - 01/15/25	21	100	All ND - Last	0.001	0.001
APW10	UA	E008	Sulfate, total	mg/L	12/16/15 - 01/15/25	33	0	CI around median	410	35.8
APW10	UA	E008	Thallium, total	mg/L	12/16/15 - 01/15/25	20	100	All ND - Last	0.002	0.001
APW10	UA	E008	Total Dissolved Solids	mg/L	12/16/15 - 01/15/25	33	0	CB around T-S line	1,040	628
APW11	UA	E008	Antimony, total	mg/L	02/18/21 - 01/13/25	17	100	All ND - Last	0.001	0.003
APW11	UA	E008	Arsenic, total	mg/L	02/18/21 - 01/13/25	17	0	CI around mean	0.0026	0.0590

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW11	UA	E008	Barium, total	mg/L	02/18/21 - 01/13/25	17	0	CB around T-S line	-0.122	0.300
APW11	UA	E008	Beryllium, total	mg/L	02/18/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW11	UA	E008	Boron, total	mg/L	02/18/21 - 01/13/25	17	0	CI around median	0.0628	0.260
APW11	UA	E008	Cadmium, total	mg/L	02/18/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW11	UA	E008	Chloride, total	mg/L	02/18/21 - 01/13/25	17	0	CB around T-S line	16.4	52.0
APW11	UA	E008	Chromium, total	mg/L	02/18/21 - 01/13/25	17	65	CB around T-S line	-0.00238	0.0110
APW11	UA	E008	Cobalt, total	mg/L	02/18/21 - 01/13/25	17	71	CB around T-S line	0.000148	0.00430
APW11	UA	E008	Fluoride, total	mg/L	02/18/21 - 01/13/25	17	41	CB around T-S line	0.266	0.633
APW11	UA	E008	Lead, total	mg/L	02/18/21 - 01/13/25	17	59	CI around median	0.001	0.00740
APW11	UA	E008	Lithium, total	mg/L	02/18/21 - 01/13/25	17	6	CI around mean	0.02	0.0300
APW11	UA	E008	Mercury, total	mg/L	02/18/21 - 01/13/25	17	82	CI around median	0.0002	0.0002
APW11	UA	E008	Molybdenum, total	mg/L	02/18/21 - 01/13/25	16	0	CB around T-S line	-0.00634	0.0180
APW11	UA	E008	pH (field)	SU	02/18/21 - 01/13/25	17	0	CI around median	7.0/7.3	6.4/7.8
APW11	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/13/25	16	0	CI around geomean	0.647	6.90
APW11	UA	E008	Selenium, total	mg/L	02/18/21 - 01/13/25	17	82	CI around median	0.001	0.001
APW11	UA	E008	Sulfate, total	mg/L	02/18/21 - 01/13/25	17	0	CI around median	270	35.8
APW11	UA	E008	Thallium, total	mg/L	02/18/21 - 01/13/25	17	94	CB around T-S line	0.001	0.001
APW11	UA	E008	Total Dissolved Solids	mg/L	02/18/21 - 01/13/25	17	0	CI around mean	809	628
APW12	UD	E008	Antimony, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.003
APW12	UD	E008	Arsenic, total	mg/L	02/17/21 - 01/13/25	17	41	CB around linear reg	0.000417	0.0590
APW12	UD	E008	Barium, total	mg/L	02/17/21 - 01/13/25	17	0	CB around linear reg	0.023	0.300
APW12	UD	E008	Beryllium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW12	UD	E008	Boron, total	mg/L	02/17/21 - 01/13/25	17	0	CB around linear reg	0.756	0.260
APW12	UD	E008	Cadmium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW12	UD	E008	Chloride, total	mg/L	02/17/21 - 01/13/25	17	0	CI around mean	23.7	52.0
APW12	UD	E008	Chromium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.0015	0.0110
APW12	UD	E008	Cobalt, total	mg/L	02/17/21 - 01/13/25	17	29	CB around linear reg	-0.00156	0.00430

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW12	UD	E008	Fluoride, total	mg/L	02/17/21 - 01/13/25	17	71	CI around median	0.18	0.633
APW12	UD	E008	Lead, total	mg/L	02/17/21 - 01/13/25	17	94	CI around median	0.001	0.00740
APW12	UD	E008	Lithium, total	mg/L	02/17/21 - 01/13/25	17	0	CI around mean	0.0281	0.0300
APW12	UD	E008	Mercury, total	mg/L	02/17/21 - 01/13/25	17	94	CI around median	0.0002	0.0002
APW12	UD	E008	Molybdenum, total	mg/L	02/17/21 - 01/13/25	16	69	CI around median	0.001	0.0180
APW12	UD	E008	pH (field)	SU	02/17/21 - 01/13/25	17	0	CI around median	6.3/6.5	6.4/7.8
APW12	UD	E008	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/13/25	16	0	CI around mean	0.304	6.90
APW12	UD	E008	Selenium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW12	UD	E008	Sulfate, total	mg/L	02/17/21 - 01/13/25	17	0	CB around T-S line	407	35.8
APW12	UD	E008	Thallium, total	mg/L	02/17/21 - 01/13/25	17	100	All ND - Last	0.002	0.001
APW12	UD	E008	Total Dissolved Solids	mg/L	02/17/21 - 01/13/25	17	0	CB around linear reg	1,710	628
APW13	UA	E008	Antimony, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.003
APW13	UA	E008	Arsenic, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	0.00379	0.0590
APW13	UA	E008	Barium, total	mg/L	02/22/21 - 01/16/25	17	0	CI around median	0.0505	0.300
APW13	UA	E008	Beryllium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW13	UA	E008	Boron, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	0.108	0.260
APW13	UA	E008	Cadmium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW13	UA	E008	Chloride, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	48.6	52.0
APW13	UA	E008	Chromium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.0015	0.0110
APW13	UA	E008	Cobalt, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.00430
APW13	UA	E008	Fluoride, total	mg/L	02/22/21 - 01/16/25	17	18	CI around mean	0.362	0.633
APW13	UA	E008	Lead, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.00740
APW13	UA	E008	Lithium, total	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	0.0263	0.0300
APW13	UA	E008	Mercury, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.0002	0.0002
APW13	UA	E008	Molybdenum, total	mg/L	02/22/21 - 01/16/25	16	0	CB around linear reg	0.00273	0.0180
APW13	UA	E008	pH (field)	SU	02/22/21 - 01/16/25	17	0	CI around mean	7.0/7.3	6.4/7.8
APW13	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/16/25	16	0	CI around mean	0.409	6.90

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW13	UA	E008	Selenium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW13	UA	E008	Sulfate, total	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	250	35.8
APW13	UA	E008	Thallium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.002	0.001
APW13	UA	E008	Total Dissolved Solids	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	877	628
APW14	UA	E008	Antimony, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.003
APW14	UA	E008	Arsenic, total	mg/L	02/22/21 - 01/16/25	17	6	CI around mean	0.00529	0.0590
APW14	UA	E008	Barium, total	mg/L	02/22/21 - 01/16/25	17	6	CB around linear reg	0.0139	0.300
APW14	UA	E008	Beryllium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW14	UA	E008	Boron, total	mg/L	02/22/21 - 01/16/25	17	6	CB around T-S line	0.0183	0.260
APW14	UA	E008	Cadmium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.001	0.001
APW14	UA	E008	Chloride, total	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	31.9	52.0
APW14	UA	E008	Chromium, total	mg/L	02/22/21 - 01/16/25	17	88	CB around T-S line	0.0000732	0.0110
APW14	UA	E008	Cobalt, total	mg/L	02/22/21 - 01/16/25	17	94	CB around T-S line	0.000472	0.00430
APW14	UA	E008	Fluoride, total	mg/L	02/22/21 - 01/16/25	17	29	CI around mean	0.288	0.633
APW14	UA	E008	Lead, total	mg/L	02/22/21 - 01/16/25	17	82	CI around median	0.001	0.00740
APW14	UA	E008	Lithium, total	mg/L	02/22/21 - 01/16/25	17	18	CB around linear reg	0.00352	0.0300
APW14	UA	E008	Mercury, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.0002	0.0002
APW14	UA	E008	Molybdenum, total	mg/L	02/22/21 - 01/16/25	16	6	CB around linear reg	-0.000113	0.0180
APW14	UA	E008	pH (field)	SU	02/22/21 - 01/16/25	17	0	CB around T-S line	6.9/7.1	6.4/7.8
APW14	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/16/25	16	0	CI around mean	0.496	6.90
APW14	UA	E008	Selenium, total	mg/L	02/22/21 - 01/16/25	17	94	Most recent sample	0.001	0.001
APW14	UA	E008	Sulfate, total	mg/L	02/22/21 - 01/16/25	17	0	CB around linear reg	358	35.8
APW14	UA	E008	Thallium, total	mg/L	02/22/21 - 01/16/25	17	100	All ND - Last	0.002	0.001
APW14	UA	E008	Total Dissolved Solids	mg/L	02/22/21 - 01/16/25	17	0	CI around mean	925	628
APW15	UA	E008	Antimony, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.003
APW15	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/20/25	17	0	CB around linear reg	0.025	0.0590
APW15	UA	E008	Barium, total	mg/L	02/23/21 - 01/20/25	17	0	CI around mean	0.56	0.300

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW15	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.001
APW15	UA	E008	Boron, total	mg/L	02/23/21 - 01/20/25	17	0	CI around mean	0.125	0.260
APW15	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.001
APW15	UA	E008	Chloride, total	mg/L	02/23/21 - 01/20/25	17	0	CI around median	230	52.0
APW15	UA	E008	Chromium, total	mg/L	02/23/21 - 01/20/25	17	47	CI around median	0.004	0.0110
APW15	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/20/25	17	53	CB around T-S line	0.00107	0.00430
APW15	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/20/25	17	12	CI around geomean	0.455	0.633
APW15	UA	E008	Lead, total	mg/L	02/23/21 - 01/20/25	17	35	CI around median	0.001	0.00740
APW15	UA	E008	Lithium, total	mg/L	02/23/21 - 01/20/25	17	47	CB around linear reg	0.00133	0.0300
APW15	UA	E008	Mercury, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.0002	0.0002
APW15	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/20/25	16	0	CB around linear reg	0.000606	0.0180
APW15	UA	E008	pH (field)	SU	02/23/21 - 01/20/25	17	0	CI around mean	7.0/7.2	6.4/7.8
APW15	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/20/25	16	0	CI around mean	1.76	6.90
APW15	UA	E008	Selenium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.001	0.001
APW15	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/20/25	17	76	CB around T-S line	1	35.8
APW15	UA	E008	Thallium, total	mg/L	02/23/21 - 01/20/25	17	100	All ND - Last	0.002	0.001
APW15	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/20/25	17	0	CI around median	1,000	628
APW16	UA	E008	Antimony, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.003
APW16	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/14/25	17	0	CB around linear reg	0.0222	0.0590
APW16	UA	E008	Barium, total	mg/L	02/23/21 - 01/14/25	17	0	CB around linear reg	0.477	0.300
APW16	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.001
APW16	UA	E008	Boron, total	mg/L	02/23/21 - 01/14/25	17	0	CI around mean	0.128	0.260
APW16	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.001
APW16	UA	E008	Chloride, total	mg/L	02/23/21 - 01/14/25	17	0	CI around mean	66.2	52.0
APW16	UA	E008	Chromium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.0015	0.0110
APW16	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.00430
APW16	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/14/25	17	0	CI around mean	0.663	0.633

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW16	UA	E008	Lead, total	mg/L	02/23/21 - 01/14/25	17	94	Most recent sample	0.001	0.00740
APW16	UA	E008	Lithium, total	mg/L	02/23/21 - 01/14/25	17	82	CB around T-S line	-0.00502	0.0300
APW16	UA	E008	Mercury, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.0002	0.0002
APW16	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/14/25	16	69	CI around median	0.001	0.0180
APW16	UA	E008	pH (field)	SU	02/23/21 - 01/14/25	17	0	CI around mean	7.2/7.5	6.4/7.8
APW16	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/14/25	16	0	CI around geomean	1.55	6.90
APW16	UA	E008	Selenium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.001	0.001
APW16	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/14/25	17	76	CB around T-S line	1	35.8
APW16	UA	E008	Thallium, total	mg/L	02/23/21 - 01/14/25	17	100	All ND - Last	0.002	0.001
APW16	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/14/25	17	0	CI around median	705	628
APW17	UA	E008	Antimony, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.003
APW17	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/13/25	17	0	CB around linear reg	0.0215	0.0590
APW17	UA	E008	Barium, total	mg/L	02/23/21 - 01/13/25	17	0	CI around mean	0.561	0.300
APW17	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW17	UA	E008	Boron, total	mg/L	02/23/21 - 01/13/25	17	0	CI around geomean	0.0812	0.260
APW17	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.001
APW17	UA	E008	Chloride, total	mg/L	02/23/21 - 01/13/25	17	0	CI around median	51	52.0
APW17	UA	E008	Chromium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.0015	0.0110
APW17	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.00430
APW17	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/13/25	17	12	CI around mean	0.409	0.633
APW17	UA	E008	Lead, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.00740
APW17	UA	E008	Lithium, total	mg/L	02/23/21 - 01/13/25	17	94	CB around T-S line	-0.00507	0.0300
APW17	UA	E008	Mercury, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.0002	0.0002
APW17	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/13/25	16	0	CI around median	0.0048	0.0180
APW17	UA	E008	pH (field)	SU	02/23/21 - 01/13/25	17	0	CI around mean	7.2/7.5	6.4/7.8
APW17	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/13/25	16	0	CI around mean	1.21	6.90
APW17	UA	E008	Selenium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.001	0.001

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW17	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/13/25	17	6	CB around T-S line	62.7	35.8
APW17	UA	E008	Thallium, total	mg/L	02/23/21 - 01/13/25	17	100	All ND - Last	0.002	0.001
APW17	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/13/25	17	0	CI around mean	646	628
APW18	UA	E008	Antimony, total	mg/L	02/23/21 - 01/13/25	17	94	CB around T-S line	-0.0000131	0.003
APW18	UA	E008	Arsenic, total	mg/L	02/23/21 - 01/13/25	17	6	CI around mean	0.00179	0.0590
APW18	UA	E008	Barium, total	mg/L	02/23/21 - 01/13/25	17	0	CI around median	0.34	0.300
APW18	UA	E008	Beryllium, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.001
APW18	UA	E008	Boron, total	mg/L	02/23/21 - 01/13/25	17	0	CI around geomean	0.107	0.260
APW18	UA	E008	Cadmium, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.001
APW18	UA	E008	Chloride, total	mg/L	02/23/21 - 01/13/25	17	0	CB around T-S line	-50.8	52.0
APW18	UA	E008	Chromium, total	mg/L	02/23/21 - 01/13/25	17	76	CB around T-S line	-0.00352	0.0110
APW18	UA	E008	Cobalt, total	mg/L	02/23/21 - 01/13/25	17	82	CB around T-S line	-0.000313	0.00430
APW18	UA	E008	Fluoride, total	mg/L	02/23/21 - 01/13/25	17	6	CB around linear reg	-3.02	0.633
APW18	UA	E008	Lead, total	mg/L	02/23/21 - 01/13/25	17	65	CB around T-S line	-0.00858	0.00740
APW18	UA	E008	Lithium, total	mg/L	02/23/21 - 01/13/25	17	59	CB around T-S line	0.000736	0.0300
APW18	UA	E008	Mercury, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.0002	0.0002
APW18	UA	E008	Molybdenum, total	mg/L	02/23/21 - 01/13/25	16	0	CB around T-S line	-0.0339	0.0180
APW18	UA	E008	pH (field)	SU	02/23/21 - 01/13/25	17	0	CI around mean	7.5/7.8	6.4/7.8
APW18	UA	E008	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/13/25	16	0	CI around mean	1.37	6.90
APW18	UA	E008	Selenium, total	mg/L	02/23/21 - 01/13/25	17	94	CI around median	0.001	0.001
APW18	UA	E008	Sulfate, total	mg/L	02/23/21 - 01/13/25	17	12	CI around median	2.2	35.8
APW18	UA	E008	Thallium, total	mg/L	02/23/21 - 01/13/25	17	88	CB around T-S line	0.001	0.001
APW18	UA	E008	Total Dissolved Solids	mg/L	02/23/21 - 01/13/25	17	0	CI around median	520	628

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
NEWTON POWER PLANT
PRIMARY ASH POND
NEWTON, IL

Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Illinois Power Generating Company’s (IPGC’s) operating permit application for the Primary Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

UD = Upper Drift

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