Luminant

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

April 27, 2024

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

Re: 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 (IPGC) is submitting groundwater monitoring data for the Quarter 1, 2024 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 compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances 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).

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) was submitted on October 6, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event. The IEPA provided a written response on November 7, 2023 that did not concur with the ASD. Therefore, a Corrective Measures Assessment (CMA) was initiated on November 5, 2023 and submitted to IEPA on April 3, 2024 in accordance with 35 I.A.C. § 845.660.

Sincerely,

Phil Morris, PE
Senior Director, Environmental

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 1, 2024, Primary Ash Pond, Newton Power Plant, Newton, Illinois

RAMBOLL

ENVIRONMENT
& HEALTH

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 1, 2024
PRIMARY ASH POND, NEWTON POWER PLANT, NEWTON, ILLINOIS

April 27, 2024

Samples were collected on January 16 through 18 and January 23, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on February 27, 2024.

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

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan[1] provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 1, 2024 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS, as shown in **Table 2**. The date of this submittal is considered to be the date that the exceedances were detected.

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration[2] (ASD) was submitted on October 6, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on November 7, 2023[3] that did not concur with the ASD. Therefore, a Corrective Measures Assessment (CMA) was initiated on November 5, 2023 and submitted to IEPA on April 3, 2024[4] in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case-by-case basis, as opposed to generating a new CMA. As allowed in 35 I.A.C. § 845.650(e), an ASD will be evaluated for new detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

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

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

[3] 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 Soruce Demonstration Submittal*. November 7, 2023.

[4] Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. *35 I.A.C. § 845 Corrective Measures Assessment, Newton Power Plant, Primary Ash Pond, IEPA ID: W0798070001-1*. April 3, 2024.

TABLES

FIGURES

ATTACHMENTS

TABLES

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05	Background	E004	01/16/2024	Antimony, total	0.0007 J	mg/L
APW05	Background	E004	01/16/2024	Arsenic, total	0.0446	mg/L
APW05	Background	E004	01/16/2024	Barium, total	0.463	mg/L
APW05	Background	E004	01/16/2024	Beryllium, total	0.0009 J	mg/L
APW05	Background	E004	01/16/2024	Boron, total	0.715	mg/L
APW05	Background	E004	01/16/2024	Cadmium, total	0.0002 J	mg/L
APW05	Background	E004	01/16/2024	Calcium, total	72.2	mg/L
APW05	Background	E004	01/16/2024	Chloride, total	45.0	mg/L
APW05	Background	E004	01/16/2024	Chromium, total	0.0292	mg/L
APW05	Background	E004	01/16/2024	Cobalt, total	0.0125	mg/L
APW05	Background	E004	01/16/2024	Dissolved Oxygen	2.13	mg/L
APW05	Background	E004	01/16/2024	Fluoride, total	0.500	mg/L
APW05	Background	E004	01/16/2024	Lead, total	0.0169	mg/L
APW05	Background	E004	01/16/2024	Lithium, total	0.0270	mg/L
APW05	Background	E004	01/16/2024	Mercury, total	0.00006 U	mg/L
APW05	Background	E004	01/16/2024	Molybdenum, total	0.0109	mg/L
APW05	Background	E004	01/16/2024	Oxidation Reduction Potential	74.0	mV
APW05	Background	E004	01/16/2024	pH (field)	7.4	SU
APW05	Background	E004	01/16/2024	Radium 226 + Radium 228, total	4.91	pCi/L
APW05	Background	E004	01/16/2024	Selenium, total	0.0006 U	mg/L
APW05	Background	E004	01/16/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
APW05	Background	E004	01/16/2024	Sulfate, total	7 J	mg/L
APW05	Background	E004	01/16/2024	Temperature	7.10	degrees C
APW05	Background	E004	01/16/2024	Thallium, total	0.001 U	mg/L
APW05	Background	E004	01/16/2024	Total Dissolved Solids	485	mg/L
APW05	Background	E004	01/16/2024	Turbidity, field	300	NTU
APW06	Background	E004	01/23/2024	Antimony, total	0.0004 U	mg/L
APW06	Background	E004	01/23/2024	Arsenic, total	0.00850	mg/L
APW06	Background	E004	01/23/2024	Barium, total	0.241	mg/L
APW06	Background	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW06	Background	E004	01/23/2024	Boron, total	0.0788	mg/L
APW06	Background	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW06	Background	E004	01/23/2024	Calcium, total	58.1	mg/L
APW06	Background	E004	01/23/2024	Chloride, total	24.0	mg/L
APW06	Background	E004	01/23/2024	Chromium, total	0.00240 J+	mg/L
APW06	Background	E004	01/23/2024	Cobalt, total	0.0004 J	mg/L
APW06	Background	E004	01/23/2024	Dissolved Oxygen	0.950	mg/L
APW06	Background	E004	01/23/2024	Fluoride, total	0.470	mg/L
APW06	Background	E004	01/23/2024	Lead, total	0.0006 U	mg/L
APW06	Background	E004	01/23/2024	Lithium, total	0.0113	mg/L
APW06	Background	E004	01/23/2024	Mercury, total	0.00006 U	mg/L
APW06	Background	E004	01/23/2024	Molybdenum, total	0.00990	mg/L
APW06	Background	E004	01/23/2024	Oxidation Reduction Potential	17.0	mV
APW06	Background	E004	01/23/2024	pH (field)	7.6	SU
APW06	Background	E004	01/23/2024	Radium 226 + Radium 228, total	2.35	pCi/L
APW06	Background	E004	01/23/2024	Selenium, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW06	Background	E004	01/23/2024	Specific Conductance @ 25C (field)	784	micromhos/cm
APW06	Background	E004	01/23/2024	Sulfate, total	9 J	mg/L
APW06	Background	E004	01/23/2024	Temperature	14.0	degrees C
APW06	Background	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW06	Background	E004	01/23/2024	Total Dissolved Solids	508	mg/L
APW06	Background	E004	01/23/2024	Turbidity, field	41.0	NTU
APW02	Compliance	E004	01/18/2024	Antimony, total	0.0008 J	mg/L
APW02	Compliance	E004	01/18/2024	Arsenic, total	0.0007 J	mg/L
APW02	Compliance	E004	01/18/2024	Barium, total	0.0122	mg/L
APW02	Compliance	E004	01/18/2024	Beryllium, total	0.0002 U	mg/L
APW02	Compliance	E004	01/18/2024	Boron, total	0.132	mg/L
APW02	Compliance	E004	01/18/2024	Cadmium, total	0.0002 U	mg/L
APW02	Compliance	E004	01/18/2024	Calcium, total	476	mg/L
APW02	Compliance	E004	01/18/2024	Chloride, total	122	mg/L
APW02	Compliance	E004	01/18/2024	Chromium, total	0.00160	mg/L
APW02	Compliance	E004	01/18/2024	Cobalt, total	0.0004 J	mg/L
APW02	Compliance	E004	01/18/2024	Dissolved Oxygen	1.71	mg/L
APW02	Compliance	E004	01/18/2024	Fluoride, total	0.220	mg/L
APW02	Compliance	E004	01/18/2024	Lead, total	0.0006 U	mg/L
APW02	Compliance	E004	01/18/2024	Lithium, total	0.122	mg/L
APW02	Compliance	E004	01/18/2024	Mercury, total	0.00006 U	mg/L
APW02	Compliance	E004	01/18/2024	Molybdenum, total	0.00230	mg/L
APW02	Compliance	E004	01/18/2024	Oxidation Reduction Potential	67.0	mV
APW02	Compliance	E004	01/18/2024	pH (field)	6.6	SU
APW02	Compliance	E004	01/18/2024	Radium 226 + Radium 228, total	1.82	pCi/L
APW02	Compliance	E004	01/18/2024	Selenium, total	0.0006 U	mg/L
APW02	Compliance	E004	01/18/2024	Specific Conductance @ 25C (field)	3,220	micromhos/cm
APW02	Compliance	E004	01/18/2024	Sulfate, total	3,120	mg/L
APW02	Compliance	E004	01/18/2024	Temperature	8.60	degrees C
APW02	Compliance	E004	01/18/2024	Thallium, total	0.001 U	mg/L
APW02	Compliance	E004	01/18/2024	Total Dissolved Solids	5,310	mg/L
APW02	Compliance	E004	01/18/2024	Turbidity, field	22.0	NTU
APW03	Compliance	E004	01/23/2024	Antimony, total	0.00230	mg/L
APW03	Compliance	E004	01/23/2024	Arsenic, total	0.0008 J	mg/L
APW03	Compliance	E004	01/23/2024	Barium, total	0.0981	mg/L
APW03	Compliance	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW03	Compliance	E004	01/23/2024	Boron, total	0.385	mg/L
APW03	Compliance	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW03	Compliance	E004	01/23/2024	Calcium, total	99.6	mg/L
APW03	Compliance	E004	01/23/2024	Chloride, total	10.0	mg/L
APW03	Compliance	E004	01/23/2024	Chromium, total	0.00380 J+	mg/L
APW03	Compliance	E004	01/23/2024	Cobalt, total	0.0006 J	mg/L
APW03	Compliance	E004	01/23/2024	Dissolved Oxygen	0.820	mg/L
APW03	Compliance	E004	01/23/2024	Fluoride, total	0.190	mg/L
APW03	Compliance	E004	01/23/2024	Lead, total	0.0008 J	mg/L
APW03	Compliance	E004	01/23/2024	Lithium, total	0.0108	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW03	Compliance	E004	01/23/2024	Mercury, total	0.00006 U	mg/L
APW03	Compliance	E004	01/23/2024	Molybdenum, total	0.00180	mg/L
APW03	Compliance	E004	01/23/2024	Oxidation Reduction Potential	31.0	mV
APW03	Compliance	E004	01/23/2024	pH (field)	6.8	SU
APW03	Compliance	E004	01/23/2024	Radium 226 + Radium 228, total	3.31	pCi/L
APW03	Compliance	E004	01/23/2024	Selenium, total	0.0006 U	mg/L
APW03	Compliance	E004	01/23/2024	Specific Conductance @ 25C (field)	814	micromhos/cm
APW03	Compliance	E004	01/23/2024	Sulfate, total	121	mg/L
APW03	Compliance	E004	01/23/2024	Temperature	9.10	degrees C
APW03	Compliance	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW03	Compliance	E004	01/23/2024	Total Dissolved Solids	636	mg/L
APW03	Compliance	E004	01/23/2024	Turbidity, field	15.0	NTU
APW04	Compliance	E004	01/23/2024	Antimony, total	0.0004 U	mg/L
APW04	Compliance	E004	01/23/2024	Arsenic, total	0.00850	mg/L
APW04	Compliance	E004	01/23/2024	Barium, total	0.0296	mg/L
APW04	Compliance	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW04	Compliance	E004	01/23/2024	Boron, total	0.0764	mg/L
APW04	Compliance	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW04	Compliance	E004	01/23/2024	Calcium, total	152	mg/L
APW04	Compliance	E004	01/23/2024	Chloride, total	44.0	mg/L
APW04	Compliance	E004	01/23/2024	Chromium, total	0.002 UJ	mg/L
APW04	Compliance	E004	01/23/2024	Cobalt, total	0.00100 J	mg/L
APW04	Compliance	E004	01/23/2024	Dissolved Oxygen	1.08	mg/L
APW04	Compliance	E004	01/23/2024	Fluoride, total	0.290	mg/L
APW04	Compliance	E004	01/23/2024	Lead, total	0.0007 J	mg/L
APW04	Compliance	E004	01/23/2024	Lithium, total	0.0221	mg/L
APW04	Compliance	E004	01/23/2024	Mercury, total	0.00006 U	mg/L
APW04	Compliance	E004	01/23/2024	Molybdenum, total	0.00750	mg/L
APW04	Compliance	E004	01/23/2024	Oxidation Reduction Potential	89.0	mV
APW04	Compliance	E004	01/23/2024	pH (field)	6.8	SU
APW04	Compliance	E004	01/23/2024	Radium 226 + Radium 228, total	2	pCi/L
APW04	Compliance	E004	01/23/2024	Selenium, total	0.0006 U	mg/L
APW04	Compliance	E004	01/23/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
APW04	Compliance	E004	01/23/2024	Sulfate, total	543	mg/L
APW04	Compliance	E004	01/23/2024	Temperature	8.30	degrees C
APW04	Compliance	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW04	Compliance	E004	01/23/2024	Total Dissolved Solids	1,060	mg/L
APW04	Compliance	E004	01/23/2024	Turbidity, field	27.0	NTU
APW05S	Compliance	E004	01/23/2024	Antimony, total	0.0004 U	mg/L
APW05S	Compliance	E004	01/23/2024	Arsenic, total	0.0008 J	mg/L
APW05S	Compliance	E004	01/23/2024	Barium, total	0.0296	mg/L
APW05S	Compliance	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW05S	Compliance	E004	01/23/2024	Boron, total	0.0411	mg/L
APW05S	Compliance	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW05S	Compliance	E004	01/23/2024	Calcium, total	383	mg/L
APW05S	Compliance	E004	01/23/2024	Chloride, total	155	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05S	Compliance	E004	01/23/2024	Chromium, total	0.00200 J+	mg/L
APW05S	Compliance	E004	01/23/2024	Cobalt, total	0.00100 J	mg/L
APW05S	Compliance	E004	01/23/2024	Dissolved Oxygen	1.23	mg/L
APW05S	Compliance	E004	01/23/2024	Fluoride, total	0.340	mg/L
APW05S	Compliance	E004	01/23/2024	Lead, total	0.0006 U	mg/L
APW05S	Compliance	E004	01/23/2024	Lithium, total	0.0366	mg/L
APW05S	Compliance	E004	01/23/2024	Mercury, total	0.00006 U	mg/L
APW05S	Compliance	E004	01/23/2024	Molybdenum, total	0.0013 U	mg/L
APW05S	Compliance	E004	01/23/2024	Oxidation Reduction Potential	140	mV
APW05S	Compliance	E004	01/23/2024	pH (field)	6.7	SU
APW05S	Compliance	E004	01/23/2024	Radium 226 + Radium 228, total	1.58	pCi/L
APW05S	Compliance	E004	01/23/2024	Selenium, total	0.0006 U	mg/L
APW05S	Compliance	E004	01/23/2024	Specific Conductance @ 25C (field)	2,570	micromhos/cm
APW05S	Compliance	E004	01/23/2024	Sulfate, total	1,690	mg/L
APW05S	Compliance	E004	01/23/2024	Temperature	9.10	degrees C
APW05S	Compliance	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW05S	Compliance	E004	01/23/2024	Total Dissolved Solids	2,920	mg/L
APW05S	Compliance	E004	01/23/2024	Turbidity, field	16.0	NTU
APW07	Compliance	E004	01/23/2024	Antimony, total	0.0009 J	mg/L
APW07	Compliance	E004	01/23/2024	Arsenic, total	0.00180	mg/L
APW07	Compliance	E004	01/23/2024	Barium, total	0.318	mg/L
APW07	Compliance	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW07	Compliance	E004	01/23/2024	Boron, total	0.0891	mg/L
APW07	Compliance	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW07	Compliance	E004	01/23/2024	Calcium, total	85.8	mg/L
APW07	Compliance	E004	01/23/2024	Chloride, total	70.0	mg/L
APW07	Compliance	E004	01/23/2024	Chromium, total	0.00310 J+	mg/L
APW07	Compliance	E004	01/23/2024	Cobalt, total	0.0002 J	mg/L
APW07	Compliance	E004	01/23/2024	Dissolved Oxygen	3.13	mg/L
APW07	Compliance	E004	01/23/2024	Fluoride, total	0.440	mg/L
APW07	Compliance	E004	01/23/2024	Lead, total	0.0006 U	mg/L
APW07	Compliance	E004	01/23/2024	Lithium, total	0.00420	mg/L
APW07	Compliance	E004	01/23/2024	Mercury, total	0.00006 U	mg/L
APW07	Compliance	E004	01/23/2024	Molybdenum, total	0.0101	mg/L
APW07	Compliance	E004	01/23/2024	Oxidation Reduction Potential	81.0	mV
APW07	Compliance	E004	01/23/2024	pH (field)	7.0	SU
APW07	Compliance	E004	01/23/2024	Radium 226 + Radium 228, total	3.05	pCi/L
APW07	Compliance	E004	01/23/2024	Selenium, total	0.0006 U	mg/L
APW07	Compliance	E004	01/23/2024	Specific Conductance @ 25C (field)	781	micromhos/cm
APW07	Compliance	E004	01/23/2024	Sulfate, total	32.0	mg/L
APW07	Compliance	E004	01/23/2024	Temperature	11.5	degrees C
APW07	Compliance	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW07	Compliance	E004	01/23/2024	Total Dissolved Solids	540	mg/L
APW07	Compliance	E004	01/23/2024	Turbidity, field	18.0	NTU
APW08	Compliance	E004	01/18/2024	Antimony, total	0.0004 U	mg/L
APW08	Compliance	E004	01/18/2024	Arsenic, total	0.0241	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW08	Compliance	E004	01/18/2024	Barium, total	0.522	mg/L
APW08	Compliance	E004	01/18/2024	Beryllium, total	0.0002 U	mg/L
APW08	Compliance	E004	01/18/2024	Boron, total	0.0838	mg/L
APW08	Compliance	E004	01/18/2024	Cadmium, total	0.0002 U	mg/L
APW08	Compliance	E004	01/18/2024	Calcium, total	105	mg/L
APW08	Compliance	E004	01/18/2024	Chloride, total	58.0	mg/L
APW08	Compliance	E004	01/18/2024	Chromium, total	0.00680	mg/L
APW08	Compliance	E004	01/18/2024	Cobalt, total	0.00220	mg/L
APW08	Compliance	E004	01/18/2024	Dissolved Oxygen	2.00	mg/L
APW08	Compliance	E004	01/18/2024	Fluoride, total	0.490	mg/L
APW08	Compliance	E004	01/18/2024	Lead, total	0.00270	mg/L
APW08	Compliance	E004	01/18/2024	Lithium, total	0.00590	mg/L
APW08	Compliance	E004	01/18/2024	Mercury, total	0.00006 U	mg/L
APW08	Compliance	E004	01/18/2024	Molybdenum, total	0.00610	mg/L
APW08	Compliance	E004	01/18/2024	Oxidation Reduction Potential	-34.0	mV
APW08	Compliance	E004	01/18/2024	pH (field)	7.1	SU
APW08	Compliance	E004	01/18/2024	Radium 226 + Radium 228, total	6.67	pCi/L
APW08	Compliance	E004	01/18/2024	Selenium, total	0.0006 U	mg/L
APW08	Compliance	E004	01/18/2024	Specific Conductance @ 25C (field)	812	micromhos/cm
APW08	Compliance	E004	01/18/2024	Sulfate, total	59.0	mg/L
APW08	Compliance	E004	01/18/2024	Temperature	11.9	degrees C
APW08	Compliance	E004	01/18/2024	Thallium, total	0.001 U	mg/L
APW08	Compliance	E004	01/18/2024	Total Dissolved Solids	585	mg/L
APW08	Compliance	E004	01/18/2024	Turbidity, field	200	NTU
APW09	Compliance	E004	01/23/2024	Antimony, total	0.0004 U	mg/L
APW09	Compliance	E004	01/23/2024	Arsenic, total	0.0312	mg/L
APW09	Compliance	E004	01/23/2024	Barium, total	0.460	mg/L
APW09	Compliance	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW09	Compliance	E004	01/23/2024	Boron, total	0.0994	mg/L
APW09	Compliance	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW09	Compliance	E004	01/23/2024	Calcium, total	82.0	mg/L
APW09	Compliance	E004	01/23/2024	Chloride, total	141	mg/L
APW09	Compliance	E004	01/23/2024	Chromium, total	0.002 UJ	mg/L
APW09	Compliance	E004	01/23/2024	Cobalt, total	0.0007 J	mg/L
APW09	Compliance	E004	01/23/2024	Dissolved Oxygen	0.600	mg/L
APW09	Compliance	E004	01/23/2024	Fluoride, total	0.440	mg/L
APW09	Compliance	E004	01/23/2024	Lead, total	0.0006 U	mg/L
APW09	Compliance	E004	01/23/2024	Lithium, total	0.00800	mg/L
APW09	Compliance	E004	01/23/2024	Mercury, total	0.00014 J	mg/L
APW09	Compliance	E004	01/23/2024	Molybdenum, total	0.00380	mg/L
APW09	Compliance	E004	01/23/2024	Oxidation Reduction Potential	-20.0	mV
APW09	Compliance	E004	01/23/2024	pH (field)	7.4	SU
APW09	Compliance	E004	01/23/2024	Radium 226 + Radium 228, total	3.08	pCi/L
APW09	Compliance	E004	01/23/2024	Selenium, total	0.0006 U	mg/L
APW09	Compliance	E004	01/23/2024	Specific Conductance @ 25C (field)	1,210	micromhos/cm
APW09	Compliance	E004	01/23/2024	Sulfate, total	11.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW09	Compliance	E004	01/23/2024	Temperature	11.5	degrees C
APW09	Compliance	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW09	Compliance	E004	01/23/2024	Total Dissolved Solids	810	mg/L
APW09	Compliance	E004	01/23/2024	Turbidity, field	24.0	NTU
APW10	Compliance	E004	01/23/2024	Antimony, total	0.00100	mg/L
APW10	Compliance	E004	01/23/2024	Arsenic, total	0.0007 J	mg/L
APW10	Compliance	E004	01/23/2024	Barium, total	0.0206	mg/L
APW10	Compliance	E004	01/23/2024	Beryllium, total	0.0002 U	mg/L
APW10	Compliance	E004	01/23/2024	Boron, total	0.0250 J	mg/L
APW10	Compliance	E004	01/23/2024	Cadmium, total	0.0002 U	mg/L
APW10	Compliance	E004	01/23/2024	Calcium, total	221	mg/L
APW10	Compliance	E004	01/23/2024	Chloride, total	35.0	mg/L
APW10	Compliance	E004	01/23/2024	Chromium, total	0.00240 J+	mg/L
APW10	Compliance	E004	01/23/2024	Cobalt, total	0.0003 J	mg/L
APW10	Compliance	E004	01/23/2024	Dissolved Oxygen	0.370	mg/L
APW10	Compliance	E004	01/23/2024	Fluoride, total	0.150	mg/L
APW10	Compliance	E004	01/23/2024	Lead, total	0.0006 U	mg/L
APW10	Compliance	E004	01/23/2024	Lithium, total	0.0205	mg/L
APW10	Compliance	E004	01/23/2024	Mercury, total	0.00006 U	mg/L
APW10	Compliance	E004	01/23/2024	Molybdenum, total	0.0013 U	mg/L
APW10	Compliance	E004	01/23/2024	Oxidation Reduction Potential	83.0	mV
APW10	Compliance	E004	01/23/2024	pH (field)	7.1	SU
APW10	Compliance	E004	01/23/2024	Radium 226 + Radium 228, total	1.93	pCi/L
APW10	Compliance	E004	01/23/2024	Selenium, total	0.0006 U	mg/L
APW10	Compliance	E004	01/23/2024	Specific Conductance @ 25C (field)	1,280	micromhos/cm
APW10	Compliance	E004	01/23/2024	Sulfate, total	785	mg/L
APW10	Compliance	E004	01/23/2024	Temperature	13.0	degrees C
APW10	Compliance	E004	01/23/2024	Thallium, total	0.001 U	mg/L
APW10	Compliance	E004	01/23/2024	Total Dissolved Solids	1,690	mg/L
APW10	Compliance	E004	01/23/2024	Turbidity, field	7.10	NTU
APW11	Compliance	E004	01/16/2024	Antimony, total	0.0004 U	mg/L
APW11	Compliance	E004	01/16/2024	Arsenic, total	0.00620	mg/L
APW11	Compliance	E004	01/16/2024	Barium, total	0.0701	mg/L
APW11	Compliance	E004	01/16/2024	Beryllium, total	0.0005 J	mg/L
APW11	Compliance	E004	01/16/2024	Boron, total	0.268	mg/L
APW11	Compliance	E004	01/16/2024	Cadmium, total	0.0002 U	mg/L
APW11	Compliance	E004	01/16/2024	Calcium, total	141	mg/L
APW11	Compliance	E004	01/16/2024	Chloride, total	24.0	mg/L
APW11	Compliance	E004	01/16/2024	Chromium, total	0.0135	mg/L
APW11	Compliance	E004	01/16/2024	Cobalt, total	0.00450	mg/L
APW11	Compliance	E004	01/16/2024	Dissolved Oxygen	0.560	mg/L
APW11	Compliance	E004	01/16/2024	Fluoride, total	0.330	mg/L
APW11	Compliance	E004	01/16/2024	Lead, total	0.0215	mg/L
APW11	Compliance	E004	01/16/2024	Lithium, total	0.0353	mg/L
APW11	Compliance	E004	01/16/2024	Mercury, total	0.00006 U	mg/L
APW11	Compliance	E004	01/16/2024	Molybdenum, total	0.00450	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW11	Compliance	E004	01/16/2024	Oxidation Reduction Potential	37.0	mV
APW11	Compliance	E004	01/16/2024	pH (field)	6.9	SU
APW11	Compliance	E004	01/16/2024	Radium 226 + Radium 228, total	3.92	pCi/L
APW11	Compliance	E004	01/16/2024	Selenium, total	0.00130	mg/L
APW11	Compliance	E004	01/16/2024	Specific Conductance @ 25C (field)	1,260	micromhos/cm
APW11	Compliance	E004	01/16/2024	Sulfate, total	288	mg/L
APW11	Compliance	E004	01/16/2024	Temperature	11.7	degrees C
APW11	Compliance	E004	01/16/2024	Thallium, total	0.001 U	mg/L
APW11	Compliance	E004	01/16/2024	Total Dissolved Solids	740	mg/L
APW11	Compliance	E004	01/16/2024	Turbidity, field	260	NTU
APW12	Compliance	E004	01/16/2024	Antimony, total	0.0004 U	mg/L
APW12	Compliance	E004	01/16/2024	Arsenic, total	0.0009 J	mg/L
APW12	Compliance	E004	01/16/2024	Barium, total	0.0422	mg/L
APW12	Compliance	E004	01/16/2024	Beryllium, total	0.0002 U	mg/L
APW12	Compliance	E004	01/16/2024	Boron, total	0.997	mg/L
APW12	Compliance	E004	01/16/2024	Cadmium, total	0.0002 U	mg/L
APW12	Compliance	E004	01/16/2024	Calcium, total	270	mg/L
APW12	Compliance	E004	01/16/2024	Chloride, total	29.0	mg/L
APW12	Compliance	E004	01/16/2024	Chromium, total	0.0014 J	mg/L
APW12	Compliance	E004	01/16/2024	Cobalt, total	0.0007 J	mg/L
APW12	Compliance	E004	01/16/2024	Dissolved Oxygen	1.88	mg/L
APW12	Compliance	E004	01/16/2024	Fluoride, total	0.170	mg/L
APW12	Compliance	E004	01/16/2024	Lead, total	0.0006 U	mg/L
APW12	Compliance	E004	01/16/2024	Lithium, total	0.0457	mg/L
APW12	Compliance	E004	01/16/2024	Mercury, total	0.00006 U	mg/L
APW12	Compliance	E004	01/16/2024	Molybdenum, total	0.0006 J	mg/L
APW12	Compliance	E004	01/16/2024	Oxidation Reduction Potential	133	mV
APW12	Compliance	E004	01/16/2024	pH (field)	6.4	SU
APW12	Compliance	E004	01/16/2024	Radium 226 + Radium 228, total	1.19	pCi/L
APW12	Compliance	E004	01/16/2024	Selenium, total	0.0006 U	mg/L
APW12	Compliance	E004	01/16/2024	Specific Conductance @ 25C (field)	2,000	micromhos/cm
APW12	Compliance	E004	01/16/2024	Sulfate, total	652	mg/L
APW12	Compliance	E004	01/16/2024	Temperature	12.9	degrees C
APW12	Compliance	E004	01/16/2024	Thallium, total	0.001 U	mg/L
APW12	Compliance	E004	01/16/2024	Total Dissolved Solids	1,670	mg/L
APW12	Compliance	E004	01/16/2024	Turbidity, field	3.20	NTU
APW13	Compliance	E004	01/17/2024	Antimony, total	0.0004 U	mg/L
APW13	Compliance	E004	01/17/2024	Arsenic, total	0.00850	mg/L
APW13	Compliance	E004	01/17/2024	Barium, total	0.0881	mg/L
APW13	Compliance	E004	01/17/2024	Beryllium, total	0.0002 U	mg/L
APW13	Compliance	E004	01/17/2024	Boron, total	0.0965	mg/L
APW13	Compliance	E004	01/17/2024	Cadmium, total	0.0002 U	mg/L
APW13	Compliance	E004	01/17/2024	Calcium, total	126	mg/L
APW13	Compliance	E004	01/17/2024	Chloride, total	54.0	mg/L
APW13	Compliance	E004	01/17/2024	Chromium, total	0.001 J	mg/L
APW13	Compliance	E004	01/17/2024	Cobalt, total	0.0004 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW13	Compliance	E004	01/17/2024	Dissolved Oxygen	0.840	mg/L
APW13	Compliance	E004	01/17/2024	Fluoride, total	0.450	mg/L
APW13	Compliance	E004	01/17/2024	Lead, total	0.0006 U	mg/L
APW13	Compliance	E004	01/17/2024	Lithium, total	0.0373	mg/L
APW13	Compliance	E004	01/17/2024	Mercury, total	0.00006 U	mg/L
APW13	Compliance	E004	01/17/2024	Molybdenum, total	0.00810	mg/L
APW13	Compliance	E004	01/17/2024	Oxidation Reduction Potential	9.00	mV
APW13	Compliance	E004	01/17/2024	pH (field)	7.1	SU
APW13	Compliance	E004	01/17/2024	Radium 226 + Radium 228, total	1.31	pCi/L
APW13	Compliance	E004	01/17/2024	Selenium, total	0.0006 U	mg/L
APW13	Compliance	E004	01/17/2024	Specific Conductance @ 25C (field)	1,390	micromhos/cm
APW13	Compliance	E004	01/17/2024	Sulfate, total	259	mg/L
APW13	Compliance	E004	01/17/2024	Temperature	12.8	degrees C
APW13	Compliance	E004	01/17/2024	Thallium, total	0.001 U	mg/L
APW13	Compliance	E004	01/17/2024	Total Dissolved Solids	920	mg/L
APW13	Compliance	E004	01/17/2024	Turbidity, field	13.0	NTU
APW14	Compliance	E004	01/17/2024	Antimony, total	0.0004 U	mg/L
APW14	Compliance	E004	01/17/2024	Arsenic, total	0.0115	mg/L
APW14	Compliance	E004	01/17/2024	Barium, total	0.0885	mg/L
APW14	Compliance	E004	01/17/2024	Beryllium, total	0.0002 U	mg/L
APW14	Compliance	E004	01/17/2024	Boron, total	0.0847	mg/L
APW14	Compliance	E004	01/17/2024	Cadmium, total	0.0002 U	mg/L
APW14	Compliance	E004	01/17/2024	Calcium, total	140	mg/L
APW14	Compliance	E004	01/17/2024	Chloride, total	44.0	mg/L
APW14	Compliance	E004	01/17/2024	Chromium, total	0.0008 J	mg/L
APW14	Compliance	E004	01/17/2024	Cobalt, total	0.0001 U	mg/L
APW14	Compliance	E004	01/17/2024	Dissolved Oxygen	0.640	mg/L
APW14	Compliance	E004	01/17/2024	Fluoride, total	0.340	mg/L
APW14	Compliance	E004	01/17/2024	Lead, total	0.0006 U	mg/L
APW14	Compliance	E004	01/17/2024	Lithium, total	0.0339	mg/L
APW14	Compliance	E004	01/17/2024	Mercury, total	0.00006 U	mg/L
APW14	Compliance	E004	01/17/2024	Molybdenum, total	0.00530	mg/L
APW14	Compliance	E004	01/17/2024	Oxidation Reduction Potential	-16.0	mV
APW14	Compliance	E004	01/17/2024	pH (field)	7.2	SU
APW14	Compliance	E004	01/17/2024	Radium 226 + Radium 228, total	1.62	pCi/L
APW14	Compliance	E004	01/17/2024	Selenium, total	0.0006 U	mg/L
APW14	Compliance	E004	01/17/2024	Specific Conductance @ 25C (field)	1,460	micromhos/cm
APW14	Compliance	E004	01/17/2024	Sulfate, total	376	mg/L
APW14	Compliance	E004	01/17/2024	Temperature	11.6	degrees C
APW14	Compliance	E004	01/17/2024	Thallium, total	0.001 U	mg/L
APW14	Compliance	E004	01/17/2024	Total Dissolved Solids	1,000	mg/L
APW14	Compliance	E004	01/17/2024	Turbidity, field	13.0	NTU
APW15	Compliance	E004	01/18/2024	Antimony, total	0.0004 U	mg/L
APW15	Compliance	E004	01/18/2024	Arsenic, total	0.0281	mg/L
APW15	Compliance	E004	01/18/2024	Barium, total	0.619	mg/L
APW15	Compliance	E004	01/18/2024	Beryllium, total	0.0002 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW15	Compliance	E004	01/18/2024	Boron, total	0.126	mg/L
APW15	Compliance	E004	01/18/2024	Cadmium, total	0.0002 U	mg/L
APW15	Compliance	E004	01/18/2024	Calcium, total	90.3	mg/L
APW15	Compliance	E004	01/18/2024	Chloride, total	246	mg/L
APW15	Compliance	E004	01/18/2024	Chromium, total	0.00530	mg/L
APW15	Compliance	E004	01/18/2024	Cobalt, total	0.00170	mg/L
APW15	Compliance	E004	01/18/2024	Dissolved Oxygen	0.330	mg/L
APW15	Compliance	E004	01/18/2024	Fluoride, total	0.530	mg/L
APW15	Compliance	E004	01/18/2024	Lead, total	0.00230	mg/L
APW15	Compliance	E004	01/18/2024	Lithium, total	0.00760	mg/L
APW15	Compliance	E004	01/18/2024	Mercury, total	0.00006 U	mg/L
APW15	Compliance	E004	01/18/2024	Molybdenum, total	0.00530	mg/L
APW15	Compliance	E004	01/18/2024	Oxidation Reduction Potential	-94.0	mV
APW15	Compliance	E004	01/18/2024	pH (field)	6.9	SU
APW15	Compliance	E004	01/18/2024	Radium 226 + Radium 228, total	4.64	pCi/L
APW15	Compliance	E004	01/18/2024	Selenium, total	0.0006 U	mg/L
APW15	Compliance	E004	01/18/2024	Specific Conductance @ 25C (field)	1,440	micromhos/cm
APW15	Compliance	E004	01/18/2024	Sulfate, total	11.0	mg/L
APW15	Compliance	E004	01/18/2024	Temperature	13.1	degrees C
APW15	Compliance	E004	01/18/2024	Thallium, total	0.001 U	mg/L
APW15	Compliance	E004	01/18/2024	Total Dissolved Solids	990	mg/L
APW15	Compliance	E004	01/18/2024	Turbidity, field	61.0	NTU
APW16	Compliance	E004	01/17/2024	Antimony, total	0.0004 U	mg/L
APW16	Compliance	E004	01/17/2024	Arsenic, total	0.0227	mg/L
APW16	Compliance	E004	01/17/2024	Barium, total	0.557	mg/L
APW16	Compliance	E004	01/17/2024	Beryllium, total	0.0002 U	mg/L
APW16	Compliance	E004	01/17/2024	Boron, total	0.124	mg/L
APW16	Compliance	E004	01/17/2024	Cadmium, total	0.0002 U	mg/L
APW16	Compliance	E004	01/17/2024	Calcium, total	97.2	mg/L
APW16	Compliance	E004	01/17/2024	Chloride, total	69.0	mg/L
APW16	Compliance	E004	01/17/2024	Chromium, total	0.0011 J	mg/L
APW16	Compliance	E004	01/17/2024	Cobalt, total	0.0003 J	mg/L
APW16	Compliance	E004	01/17/2024	Dissolved Oxygen	0.570	mg/L
APW16	Compliance	E004	01/17/2024	Fluoride, total	0.790	mg/L
APW16	Compliance	E004	01/17/2024	Lead, total	0.0006 U	mg/L
APW16	Compliance	E004	01/17/2024	Lithium, total	0.00330	mg/L
APW16	Compliance	E004	01/17/2024	Mercury, total	0.00006 U	mg/L
APW16	Compliance	E004	01/17/2024	Molybdenum, total	0.0006 U	mg/L
APW16	Compliance	E004	01/17/2024	Oxidation Reduction Potential	-87.0	mV
APW16	Compliance	E004	01/17/2024	pH (field)	7.3	SU
APW16	Compliance	E004	01/17/2024	Radium 226 + Radium 228, total	2.54	pCi/L
APW16	Compliance	E004	01/17/2024	Selenium, total	0.0006 U	mg/L
APW16	Compliance	E004	01/17/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
APW16	Compliance	E004	01/17/2024	Sulfate, total	9 J-	mg/L
APW16	Compliance	E004	01/17/2024	Temperature	11.8	degrees C
APW16	Compliance	E004	01/17/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW16	Compliance	E004	01/17/2024	Total Dissolved Solids	730	mg/L
APW16	Compliance	E004	01/17/2024	Turbidity, field	11.0	NTU
APW17	Compliance	E004	01/17/2024	Antimony, total	0.0004 U	mg/L
APW17	Compliance	E004	01/17/2024	Arsenic, total	0.0385	mg/L
APW17	Compliance	E004	01/17/2024	Barium, total	0.653	mg/L
APW17	Compliance	E004	01/17/2024	Beryllium, total	0.0002 U	mg/L
APW17	Compliance	E004	01/17/2024	Boron, total	0.0848	mg/L
APW17	Compliance	E004	01/17/2024	Cadmium, total	0.0002 U	mg/L
APW17	Compliance	E004	01/17/2024	Calcium, total	115	mg/L
APW17	Compliance	E004	01/17/2024	Chloride, total	57.0	mg/L
APW17	Compliance	E004	01/17/2024	Chromium, total	0.001 J	mg/L
APW17	Compliance	E004	01/17/2024	Cobalt, total	0.0002 J	mg/L
APW17	Compliance	E004	01/17/2024	Dissolved Oxygen	0.750	mg/L
APW17	Compliance	E004	01/17/2024	Fluoride, total	0.540	mg/L
APW17	Compliance	E004	01/17/2024	Lead, total	0.0006 U	mg/L
APW17	Compliance	E004	01/17/2024	Lithium, total	0.0026 J	mg/L
APW17	Compliance	E004	01/17/2024	Mercury, total	0.00006 U	mg/L
APW17	Compliance	E004	01/17/2024	Molybdenum, total	0.00480	mg/L
APW17	Compliance	E004	01/17/2024	Oxidation Reduction Potential	-37.0	mV
APW17	Compliance	E004	01/17/2024	pH (field)	7.3	SU
APW17	Compliance	E004	01/17/2024	Radium 226 + Radium 228, total	4.37	pCi/L
APW17	Compliance	E004	01/17/2024	Selenium, total	0.0006 U	mg/L
APW17	Compliance	E004	01/17/2024	Specific Conductance @ 25C (field)	1,150	micromhos/cm
APW17	Compliance	E004	01/17/2024	Sulfate, total	60.0	mg/L
APW17	Compliance	E004	01/17/2024	Temperature	10.3	degrees C
APW17	Compliance	E004	01/17/2024	Thallium, total	0.001 U	mg/L
APW17	Compliance	E004	01/17/2024	Total Dissolved Solids	680	mg/L
APW17	Compliance	E004	01/17/2024	Turbidity, field	16.0	NTU
APW18	Compliance	E004	01/16/2024	Antimony, total	0.0004 U	mg/L
APW18	Compliance	E004	01/16/2024	Arsenic, total	0.00290	mg/L
APW18	Compliance	E004	01/16/2024	Barium, total	0.510	mg/L
APW18	Compliance	E004	01/16/2024	Beryllium, total	0.0002 U	mg/L
APW18	Compliance	E004	01/16/2024	Boron, total	0.235	mg/L
APW18	Compliance	E004	01/16/2024	Cadmium, total	0.0002 U	mg/L
APW18	Compliance	E004	01/16/2024	Calcium, total	82.5	mg/L
APW18	Compliance	E004	01/16/2024	Chloride, total	24.0	mg/L
APW18	Compliance	E004	01/16/2024	Chromium, total	0.00220	mg/L
APW18	Compliance	E004	01/16/2024	Cobalt, total	0.0008 J	mg/L
APW18	Compliance	E004	01/16/2024	Dissolved Oxygen	3.05	mg/L
APW18	Compliance	E004	01/16/2024	Fluoride, total	0.540	mg/L
APW18	Compliance	E004	01/16/2024	Lead, total	0.0007 J	mg/L
APW18	Compliance	E004	01/16/2024	Lithium, total	0.0100	mg/L
APW18	Compliance	E004	01/16/2024	Mercury, total	0.00006 U	mg/L
APW18	Compliance	E004	01/16/2024	Molybdenum, total	0.00510	mg/L
APW18	Compliance	E004	01/16/2024	Oxidation Reduction Potential	-60.0	mV
APW18	Compliance	E004	01/16/2024	pH (field)	7.7	SU

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW18	Compliance	E004	01/16/2024	Radium 226 + Radium 228, total	3.54	pCi/L
APW18	Compliance	E004	01/16/2024	Selenium, total	0.0006 U	mg/L
APW18	Compliance	E004	01/16/2024	Specific Conductance @ 25C (field)	968	micromhos/cm
APW18	Compliance	E004	01/16/2024	Sulfate, total	43.0	mg/L
APW18	Compliance	E004	01/16/2024	Temperature	10.7	degrees C
APW18	Compliance	E004	01/16/2024	Thallium, total	0.001 U	mg/L
APW18	Compliance	E004	01/16/2024	Total Dissolved Solids	208	mg/L
APW18	Compliance	E004	01/16/2024	Turbidity, field	27.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Antimony, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW02	UD	E004	Arsenic, total	mg/L	02/17/21 - 01/18/24	13	77	CI around median	0.001	0.0590	Background	No Exceedance
APW02	UD	E004	Barium, total	mg/L	02/17/21 - 01/18/24	13	0	CI around mean	0.0101	2.0	Standard	No Exceedance
APW02	UD	E004	Beryllium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW02	UD	E004	Boron, total	mg/L	02/17/21 - 01/18/24	13	0	CI around geomean	0.113	2	Standard	No Exceedance
APW02	UD	E004	Cadmium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW02	UD	E004	Chloride, total	mg/L	02/17/21 - 01/18/24	13	0	CI around mean	102	200	Standard	No Exceedance
APW02	UD	E004	Chromium, total	mg/L	02/17/21 - 01/18/24	13	77	CB around T-S line	0.0016	0.1	Standard	No Exceedance
APW02	UD	E004	Cobalt, total	mg/L	02/17/21 - 01/18/24	13	92	CB around T-S line	0.00103	0.006	Standard	No Exceedance
APW02	UD	E004	Fluoride, total	mg/L	02/17/21 - 01/18/24	13	77	CB around T-S line	0.223	4.0	Standard	No Exceedance
APW02	UD	E004	Lead, total	mg/L	02/17/21 - 01/18/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW02	UD	E004	Lithium, total	mg/L	02/17/21 - 01/18/24	13	0	CI around geomean	0.0977	0.04	Standard	Exceedance
APW02	UD	E004	Mercury, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW02	UD	E004	Molybdenum, total	mg/L	02/17/21 - 01/18/24	12	50	CI around median	0.001	0.1	Standard	No Exceedance
APW02	UD	E004	pH (field)	SU	02/17/21 - 01/18/24	19	0	CI around mean	6.6/6.8	6.4/9.0	Background/Standard	No Exceedance
APW02	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/18/24	12	0	CI around mean	0.338	6.90	Background	No Exceedance
APW02	UD	E004	Selenium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW02	UD	E004	Sulfate, total	mg/L	02/17/21 - 01/18/24	13	0	CI around median	2,900	400	Standard	Exceedance
APW02	UD	E004	Thallium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW02	UD	E004	Total Dissolved Solids	mg/L	02/17/21 - 01/18/24	19	0	CI around median	5,000	1,200	Standard	Exceedance
APW03	UD	E004	Antimony, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.0023	0.006	Standard	No Exceedance
APW03	UD	E004	Arsenic, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.0590	Background	No Exceedance
APW03	UD	E004	Barium, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	0.0668	2.0	Standard	No Exceedance
APW03	UD	E004	Beryllium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW03	UD	E004	Boron, total	mg/L	02/18/21 - 01/23/24	13	0	CI around geomean	0.391	2	Standard	No Exceedance
APW03	UD	E004	Cadmium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW03	UD	E004	Chloride, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	7.58	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Chromium, total	mg/L	02/18/21 - 01/23/24	13	77	CI around median	0.0038	0.1	Standard	No Exceedance
APW03	UD	E004	Cobalt, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW03	UD	E004	Fluoride, total	mg/L	02/18/21 - 01/23/24	13	69	CI around median	0.25	4.0	Standard	No Exceedance
APW03	UD	E004	Lead, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW03	UD	E004	Lithium, total	mg/L	02/18/21 - 01/23/24	13	31	CI around mean	0.0111	0.04	Standard	No Exceedance
APW03	UD	E004	Mercury, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW03	UD	E004	Molybdenum, total	mg/L	02/18/21 - 01/23/24	12	25	CI around mean	0.00113	0.1	Standard	No Exceedance
APW03	UD	E004	pH (field)	SU	02/18/21 - 01/23/24	19	0	CI around mean	6.8/7.2	6.4/9.0	Background/Standard	No Exceedance
APW03	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/23/24	12	0	CI around geomean	0.202	6.90	Background	No Exceedance
APW03	UD	E004	Selenium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW03	UD	E004	Sulfate, total	mg/L	02/18/21 - 01/23/24	13	0	CB around linear reg	89.1	400	Standard	No Exceedance
APW03	UD	E004	Thallium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW03	UD	E004	Total Dissolved Solids	mg/L	02/18/21 - 01/23/24	19	0	CI around mean	627	1,200	Standard	No Exceedance
APW04	UD	E004	Antimony, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW04	UD	E004	Arsenic, total	mg/L	02/18/21 - 01/23/24	13	46	CI around median	0.001	0.0590	Background	No Exceedance
APW04	UD	E004	Barium, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	0.0197	2.0	Standard	No Exceedance
APW04	UD	E004	Beryllium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW04	UD	E004	Boron, total	mg/L	02/18/21 - 01/23/24	13	0	CI around median	0.024	2	Standard	No Exceedance
APW04	UD	E004	Cadmium, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.001	0.005	Standard	No Exceedance
APW04	UD	E004	Chloride, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	30.3	200	Standard	No Exceedance
APW04	UD	E004	Chromium, total	mg/L	02/18/21 - 01/23/24	13	77	CI around median	0.004	0.1	Standard	No Exceedance
APW04	UD	E004	Cobalt, total	mg/L	02/18/21 - 01/23/24	13	92	CB around T-S line	0.000827	0.006	Standard	No Exceedance
APW04	UD	E004	Fluoride, total	mg/L	02/18/21 - 01/23/24	13	77	CI around median	0.25	4.0	Standard	No Exceedance
APW04	UD	E004	Lead, total	mg/L	02/18/21 - 01/23/24	13	69	CI around median	0.001	0.0075	Standard	No Exceedance
APW04	UD	E004	Lithium, total	mg/L	02/18/21 - 01/23/24	13	23	CI around median	0.02	0.04	Standard	No Exceedance
APW04	UD	E004	Mercury, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW04	UD	E004	Molybdenum, total	mg/L	02/18/21 - 01/23/24	12	83	CB around T-S line	0.001	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	pH (field)	SU	02/18/21 - 01/23/24	19	0	CI around median	6.8/7.0	6.4/9.0	Background/Standard	No Exceedance
APW04	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/23/24	12	0	CB around linear reg	0.644	6.90	Background	No Exceedance
APW04	UD	E004	Selenium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW04	UD	E004	Sulfate, total	mg/L	02/18/21 - 01/23/24	13	0	CB around linear reg	587	400	Standard	Exceedance
APW04	UD	E004	Thallium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW04	UD	E004	Total Dissolved Solids	mg/L	02/18/21 - 01/23/24	19	0	CI around median	1,700	1,200	Standard	Exceedance
APW05S	UD	E004	Antimony, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW05S	UD	E004	Arsenic, total	mg/L	02/17/21 - 01/23/24	12	42	CI around mean	0.00105	0.0590	Background	No Exceedance
APW05S	UD	E004	Barium, total	mg/L	02/17/21 - 01/23/24	12	0	CI around geomean	0.0376	2.0	Standard	No Exceedance
APW05S	UD	E004	Beryllium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW05S	UD	E004	Boron, total	mg/L	02/17/21 - 01/23/24	12	0	CI around median	0.039	2	Standard	No Exceedance
APW05S	UD	E004	Cadmium, total	mg/L	02/17/21 - 01/23/24	12	92	CI around median	0.001	0.005	Standard	No Exceedance
APW05S	UD	E004	Chloride, total	mg/L	02/17/21 - 01/23/24	12	0	CI around geomean	144	200	Standard	No Exceedance
APW05S	UD	E004	Chromium, total	mg/L	02/17/21 - 01/23/24	12	75	CI around median	0.002	0.1	Standard	No Exceedance
APW05S	UD	E004	Cobalt, total	mg/L	02/17/21 - 01/23/24	12	33	CI around geomean	0.000934	0.006	Standard	No Exceedance
APW05S	UD	E004	Fluoride, total	mg/L	02/17/21 - 01/23/24	12	0	CI around mean	0.357	4.0	Standard	No Exceedance
APW05S	UD	E004	Lead, total	mg/L	02/17/21 - 01/23/24	12	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW05S	UD	E004	Lithium, total	mg/L	02/17/21 - 01/23/24	12	0	CB around T-S line	0.017	0.04	Standard	No Exceedance
APW05S	UD	E004	Mercury, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW05S	UD	E004	Molybdenum, total	mg/L	02/17/21 - 01/23/24	11	18	CI around geomean	0.00106	0.1	Standard	No Exceedance
APW05S	UD	E004	pH (field)	SU	02/17/21 - 01/23/24	12	0	CI around mean	6.7/6.9	6.4/9.0	Background/Standard	No Exceedance
APW05S	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/23/24	11	0	CI around geomean	0.198	6.90	Background	No Exceedance
APW05S	UD	E004	Selenium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW05S	UD	E004	Sulfate, total	mg/L	02/17/21 - 01/23/24	12	0	CI around median	640	400	Standard	Exceedance
APW05S	UD	E004	Thallium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW05S	UD	E004	Total Dissolved Solids	mg/L	02/17/21 - 01/23/24	12	0	CI around mean	3,280	1,200	Standard	Exceedance
APW07	UA	E004	Antimony, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Arsenic, total	mg/L	12/15/15 - 01/23/24	15	0	CB around T-S line	0.00483	0.0590	Background	No Exceedance
APW07	UA	E004	Barium, total	mg/L	12/15/15 - 01/23/24	15	0	CB around T-S line	0.435	2.0	Standard	No Exceedance
APW07	UA	E004	Beryllium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW07	UA	E004	Boron, total	mg/L	12/15/15 - 01/23/24	25	0	CB around T-S line	0.0814	2	Standard	No Exceedance
APW07	UA	E004	Cadmium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW07	UA	E004	Chloride, total	mg/L	12/15/15 - 01/23/24	28	0	CB around T-S line	55.6	200	Standard	No Exceedance
APW07	UA	E004	Chromium, total	mg/L	12/15/15 - 01/23/24	15	60	CI around median	0.0031	0.1	Standard	No Exceedance
APW07	UA	E004	Cobalt, total	mg/L	12/15/15 - 01/23/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
APW07	UA	E004	Fluoride, total	mg/L	12/15/15 - 01/23/24	25	4	CI around mean	0.369	4.0	Standard	No Exceedance
APW07	UA	E004	Lead, total	mg/L	12/15/15 - 01/23/24	15	67	CI around median	0.001	0.0075	Standard	No Exceedance
APW07	UA	E004	Lithium, total	mg/L	12/15/15 - 01/23/24	15	87	CI around median	0.0042	0.04	Standard	No Exceedance
APW07	UA	E004	Mercury, total	mg/L	12/15/15 - 01/23/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW07	UA	E004	Molybdenum, total	mg/L	12/15/15 - 01/23/24	14	0	CI around mean	0.00293	0.1	Standard	No Exceedance
APW07	UA	E004	pH (field)	SU	12/15/15 - 01/23/24	27	0	CI around mean	7.2/7.3	6.4/9.0	Background/Standard	No Exceedance
APW07	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/23/24	15	0	CB around linear reg	1.87	6.90	Background	No Exceedance
APW07	UA	E004	Selenium, total	mg/L	12/15/15 - 01/23/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW07	UA	E004	Sulfate, total	mg/L	12/15/15 - 01/23/24	26	15	CB around T-S line	10.4	400	Standard	No Exceedance
APW07	UA	E004	Thallium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW07	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 01/23/24	25	0	CB around T-S line	540	1,200	Standard	No Exceedance
APW08	UA	E004	Antimony, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW08	UA	E004	Arsenic, total	mg/L	12/15/15 - 01/18/24	15	0	CB around linear reg	0.0226	0.0590	Background	No Exceedance
APW08	UA	E004	Barium, total	mg/L	12/15/15 - 01/18/24	15	0	CB around linear reg	0.49	2.0	Standard	No Exceedance
APW08	UA	E004	Beryllium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW08	UA	E004	Boron, total	mg/L	12/15/15 - 01/18/24	25	0	CI around geomean	0.0819	2	Standard	No Exceedance
APW08	UA	E004	Cadmium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW08	UA	E004	Chloride, total	mg/L	12/15/15 - 01/18/24	27	0	CI around mean	55	200	Standard	No Exceedance
APW08	UA	E004	Chromium, total	mg/L	12/15/15 - 01/18/24	15	53	CI around median	0.004	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Cobalt, total	mg/L	12/15/15 - 01/18/24	14	71	CI around median	0.002	0.006	Standard	No Exceedance
APW08	UA	E004	Fluoride, total	mg/L	12/15/15 - 01/18/24	25	8	CI around median	0.393	4.0	Standard	No Exceedance
APW08	UA	E004	Lead, total	mg/L	12/15/15 - 01/18/24	15	53	CI around median	0.001	0.0075	Standard	No Exceedance
APW08	UA	E004	Lithium, total	mg/L	12/15/15 - 01/18/24	15	67	CI around median	0.0059	0.04	Standard	No Exceedance
APW08	UA	E004	Mercury, total	mg/L	12/15/15 - 01/18/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW08	UA	E004	Molybdenum, total	mg/L	12/15/15 - 01/18/24	14	0	CI around mean	0.00482	0.1	Standard	No Exceedance
APW08	UA	E004	pH (field)	SU	12/15/15 - 01/18/24	28	0	CI around mean	7.2/7.4	6.4/9.0	Background/Standard	No Exceedance
APW08	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/18/24	15	0	CI around geomean	0.984	6.90	Background	No Exceedance
APW08	UA	E004	Selenium, total	mg/L	12/15/15 - 01/18/24	15	93	CI around median	0.001	0.05	Standard	No Exceedance
APW08	UA	E004	Sulfate, total	mg/L	12/15/15 - 01/18/24	27	0	CB around linear reg	48.2	400	Standard	No Exceedance
APW08	UA	E004	Thallium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW08	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 01/18/24	25	0	CB around linear reg	588	1,200	Standard	No Exceedance
APW09	UA	E004	Antimony, total	mg/L	12/15/15 - 01/23/24	14	93	CB around T-S line	0.00136	0.006	Standard	No Exceedance
APW09	UA	E004	Arsenic, total	mg/L	12/15/15 - 01/23/24	15	0	CB around linear reg	0.0208	0.0590	Background	No Exceedance
APW09	UA	E004	Barium, total	mg/L	12/15/15 - 01/23/24	15	0	CI around mean	0.311	2.0	Standard	No Exceedance
APW09	UA	E004	Beryllium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW09	UA	E004	Boron, total	mg/L	12/15/15 - 01/23/24	25	0	CB around T-S line	0.09	2	Standard	No Exceedance
APW09	UA	E004	Cadmium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW09	UA	E004	Chloride, total	mg/L	12/15/15 - 01/23/24	27	0	CB around T-S line	107	200	Standard	No Exceedance
APW09	UA	E004	Chromium, total	mg/L	12/15/15 - 01/23/24	15	67	CI around median	0.0033	0.1	Standard	No Exceedance
APW09	UA	E004	Cobalt, total	mg/L	12/15/15 - 01/23/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance
APW09	UA	E004	Fluoride, total	mg/L	12/15/15 - 01/23/24	26	4	CI around mean	0.456	4.0	Standard	No Exceedance
APW09	UA	E004	Lead, total	mg/L	12/15/15 - 01/23/24	15	60	CI around median	0.001	0.0075	Standard	No Exceedance
APW09	UA	E004	Lithium, total	mg/L	12/15/15 - 01/23/24	15	80	CI around median	0.008	0.04	Standard	No Exceedance
APW09	UA	E004	Mercury, total	mg/L	12/15/15 - 01/23/24	15	87	CI around median	0.0002	0.002	Standard	No Exceedance
APW09	UA	E004	Molybdenum, total	mg/L	12/15/15 - 01/23/24	14	0	CB around linear reg	-0.00329	0.1	Standard	No Exceedance
APW09	UA	E004	pH (field)	SU	12/15/15 - 01/23/24	27	0	CI around median	7.4/7.5	6.4/9.0	Background/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/23/24	15	0	CI around geomean	0.892	6.90	Background	No Exceedance
APW09	UA	E004	Selenium, total	mg/L	12/15/15 - 01/23/24	15	93	CI around median	0.001	0.05	Standard	No Exceedance
APW09	UA	E004	Sulfate, total	mg/L	12/15/15 - 01/23/24	27	7	CI around geomean	5.18	400	Standard	No Exceedance
APW09	UA	E004	Thallium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW09	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 01/23/24	26	0	CB around T-S line	791	1,200	Standard	No Exceedance
APW10	UA	E004	Antimony, total	mg/L	12/16/15 - 01/23/24	16	94	CB around T-S line	0.00108	0.006	Standard	No Exceedance
APW10	UA	E004	Arsenic, total	mg/L	12/16/15 - 01/23/24	17	6	CI around mean	0.00564	0.0590	Background	No Exceedance
APW10	UA	E004	Barium, total	mg/L	12/16/15 - 01/23/24	17	0	CI around mean	0.0286	2.0	Standard	No Exceedance
APW10	UA	E004	Beryllium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW10	UA	E004	Boron, total	mg/L	12/16/15 - 01/23/24	27	0	CI around median	0.069	2	Standard	No Exceedance
APW10	UA	E004	Cadmium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW10	UA	E004	Chloride, total	mg/L	12/16/15 - 01/23/24	28	0	CI around mean	44.6	200	Standard	No Exceedance
APW10	UA	E004	Chromium, total	mg/L	12/16/15 - 01/23/24	17	94	CB around T-S line	0.00265	0.1	Standard	No Exceedance
APW10	UA	E004	Cobalt, total	mg/L	12/16/15 - 01/23/24	16	94	CI around median	0.002	0.006	Standard	No Exceedance
APW10	UA	E004	Fluoride, total	mg/L	12/16/15 - 01/23/24	27	18	CI around mean	0.26	4.0	Standard	No Exceedance
APW10	UA	E004	Lead, total	mg/L	12/16/15 - 01/23/24	17	88	CI around median	0.001	0.0075	Standard	No Exceedance
APW10	UA	E004	Lithium, total	mg/L	12/16/15 - 01/23/24	17	6	CB around T-S line	0.0125	0.04	Standard	No Exceedance
APW10	UA	E004	Mercury, total	mg/L	12/16/15 - 01/23/24	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW10	UA	E004	Molybdenum, total	mg/L	12/16/15 - 01/23/24	16	6	CB around T-S line	0.000571	0.1	Standard	No Exceedance
APW10	UA	E004	pH (field)	SU	12/16/15 - 01/23/24	30	0	CB around linear reg	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW10	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 01/23/24	17	0	CI around geomean	0.461	6.90	Background	No Exceedance
APW10	UA	E004	Selenium, total	mg/L	12/16/15 - 01/23/24	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW10	UA	E004	Sulfate, total	mg/L	12/16/15 - 01/23/24	29	0	CI around median	410	400	Standard	Exceedance
APW10	UA	E004	Thallium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW10	UA	E004	Total Dissolved Solids	mg/L	12/16/15 - 01/23/24	29	0	CB around T-S line	1,030	1,200	Standard	No Exceedance
APW11	UA	E004	Antimony, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW11	UA	E004	Arsenic, total	mg/L	02/18/21 - 01/16/24	13	0	CI around mean	0.00233	0.0590	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Barium, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	0.043	2.0	Standard	No Exceedance
APW11	UA	E004	Beryllium, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW11	UA	E004	Boron, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	0.063	2	Standard	No Exceedance
APW11	UA	E004	Cadmium, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW11	UA	E004	Chloride, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	25	200	Standard	No Exceedance
APW11	UA	E004	Chromium, total	mg/L	02/18/21 - 01/16/24	13	62	CI around median	0.004	0.1	Standard	No Exceedance
APW11	UA	E004	Cobalt, total	mg/L	02/18/21 - 01/16/24	13	62	CI around median	0.002	0.006	Standard	No Exceedance
APW11	UA	E004	Fluoride, total	mg/L	02/18/21 - 01/16/24	13	38	CI around mean	0.264	4.0	Standard	No Exceedance
APW11	UA	E004	Lead, total	mg/L	02/18/21 - 01/16/24	13	54	CI around median	0.001	0.0075	Standard	No Exceedance
APW11	UA	E004	Lithium, total	mg/L	02/18/21 - 01/16/24	13	8	CI around mean	0.0188	0.04	Standard	No Exceedance
APW11	UA	E004	Mercury, total	mg/L	02/18/21 - 01/16/24	13	85	CI around median	0.0002	0.002	Standard	No Exceedance
APW11	UA	E004	Molybdenum, total	mg/L	02/18/21 - 01/16/24	12	0	CI around median	0.0043	0.1	Standard	No Exceedance
APW11	UA	E004	pH (field)	SU	02/18/21 - 01/16/24	13	0	CI around median	6.9/7.2	6.4/9.0	Background/Standard	No Exceedance
APW11	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/16/24	12	0	CI around mean	0.63	6.90	Background	No Exceedance
APW11	UA	E004	Selenium, total	mg/L	02/18/21 - 01/16/24	13	77	CI around median	0.001	0.05	Standard	No Exceedance
APW11	UA	E004	Sulfate, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	268	400	Standard	No Exceedance
APW11	UA	E004	Thallium, total	mg/L	02/18/21 - 01/16/24	13	92	CI around median	0.001	0.002	Standard	No Exceedance
APW11	UA	E004	Total Dissolved Solids	mg/L	02/18/21 - 01/16/24	13	0	CI around mean	803	1,200	Standard	No Exceedance
APW12	UD	E004	Antimony, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW12	UD	E004	Arsenic, total	mg/L	02/17/21 - 01/16/24	13	23	CI around mean	0.00115	0.0590	Background	No Exceedance
APW12	UD	E004	Barium, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	0.0338	2.0	Standard	No Exceedance
APW12	UD	E004	Beryllium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW12	UD	E004	Boron, total	mg/L	02/17/21 - 01/16/24	13	0	CB around linear reg	0.505	2	Standard	No Exceedance
APW12	UD	E004	Cadmium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW12	UD	E004	Chloride, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	22.4	200	Standard	No Exceedance
APW12	UD	E004	Chromium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW12	UD	E004	Cobalt, total	mg/L	02/17/21 - 01/16/24	13	23	CB around linear reg	-0.00144	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Fluoride, total	mg/L	02/17/21 - 01/16/24	13	77	CB around T-S line	0.178	4.0	Standard	No Exceedance
APW12	UD	E004	Lead, total	mg/L	02/17/21 - 01/16/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW12	UD	E004	Lithium, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	0.0261	0.04	Standard	No Exceedance
APW12	UD	E004	Mercury, total	mg/L	02/17/21 - 01/16/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW12	UD	E004	Molybdenum, total	mg/L	02/17/21 - 01/16/24	12	58	CI around median	0.001	0.1	Standard	No Exceedance
APW12	UD	E004	pH (field)	SU	02/17/21 - 01/16/24	13	0	CI around mean	6.2/6.5	6.4/9.0	Background/Standard	No Exceedance
APW12	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/16/24	12	0	CI around mean	0.23	6.90	Background	No Exceedance
APW12	UD	E004	Selenium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW12	UD	E004	Sulfate, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	311	400	Standard	No Exceedance
APW12	UD	E004	Thallium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW12	UD	E004	Total Dissolved Solids	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	1,220	1,200	Standard	Exceedance
APW13	UA	E004	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E004	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0034	0.0590	Background	No Exceedance
APW13	UA	E004	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around median	0.05	2.0	Standard	No Exceedance
APW13	UA	E004	Beryllium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW13	UA	E004	Boron, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.105	2	Standard	No Exceedance
APW13	UA	E004	Cadmium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW13	UA	E004	Chloride, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	47.7	200	Standard	No Exceedance
APW13	UA	E004	Chromium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW13	UA	E004	Cobalt, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E004	Fluoride, total	mg/L	02/22/21 - 01/17/24	13	8	CI around mean	0.322	4.0	Standard	No Exceedance
APW13	UA	E004	Lead, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW13	UA	E004	Lithium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0262	0.04	Standard	No Exceedance
APW13	UA	E004	Mercury, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW13	UA	E004	Molybdenum, total	mg/L	02/22/21 - 01/17/24	12	0	CB around linear reg	0.0025	0.1	Standard	No Exceedance
APW13	UA	E004	pH (field)	SU	02/22/21 - 01/17/24	13	0	CI around median	7.1/7.3	6.4/9.0	Background/Standard	No Exceedance
APW13	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/17/24	12	0	CI around mean	0.394	6.90	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Selenium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW13	UA	E004	Sulfate, total	mg/L	02/22/21 - 01/17/24	13	0	CB around linear reg	235	400	Standard	No Exceedance
APW13	UA	E004	Thallium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW13	UA	E004	Total Dissolved Solids	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	822	1,200	Standard	No Exceedance
APW14	UA	E004	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW14	UA	E004	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.00584	0.0590	Background	No Exceedance
APW14	UA	E004	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CB around linear reg	0.0435	2.0	Standard	No Exceedance
APW14	UA	E004	Beryllium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW14	UA	E004	Boron, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0931	2	Standard	No Exceedance
APW14	UA	E004	Cadmium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW14	UA	E004	Chloride, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	41.9	200	Standard	No Exceedance
APW14	UA	E004	Chromium, total	mg/L	02/22/21 - 01/17/24	13	85	CB around T-S line	-0.000209	0.1	Standard	No Exceedance
APW14	UA	E004	Cobalt, total	mg/L	02/22/21 - 01/17/24	13	92	CB around T-S line	0.000683	0.006	Standard	No Exceedance
APW14	UA	E004	Fluoride, total	mg/L	02/22/21 - 01/17/24	13	23	CI around mean	0.282	4.0	Standard	No Exceedance
APW14	UA	E004	Lead, total	mg/L	02/22/21 - 01/17/24	13	77	CI around median	0.001	0.0075	Standard	No Exceedance
APW14	UA	E004	Lithium, total	mg/L	02/22/21 - 01/17/24	13	15	CI around mean	0.0236	0.04	Standard	No Exceedance
APW14	UA	E004	Mercury, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW14	UA	E004	Molybdenum, total	mg/L	02/22/21 - 01/17/24	12	0	CB around linear reg	-6.78e-05	0.1	Standard	No Exceedance
APW14	UA	E004	pH (field)	SU	02/22/21 - 01/17/24	13	0	CI around median	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW14	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/17/24	12	0	CI around mean	0.477	6.90	Background	No Exceedance
APW14	UA	E004	Selenium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW14	UA	E004	Sulfate, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	322	400	Standard	No Exceedance
APW14	UA	E004	Thallium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW14	UA	E004	Total Dissolved Solids	mg/L	02/22/21 - 01/17/24	13	0	CI around median	920	1,200	Standard	No Exceedance
APW15	UA	E004	Antimony, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW15	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.0176	0.0590	Background	No Exceedance
APW15	UA	E004	Barium, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.569	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Beryllium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW15	UA	E004	Boron, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.125	2	Standard	No Exceedance
APW15	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW15	UA	E004	Chloride, total	mg/L	02/23/21 - 01/18/24	13	0	CI around median	230	200	Standard	Exceedance
APW15	UA	E004	Chromium, total	mg/L	02/23/21 - 01/18/24	13	62	CI around median	0.004	0.1	Standard	No Exceedance
APW15	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/18/24	13	62	CI around median	0.0017	0.006	Standard	No Exceedance
APW15	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/18/24	13	0	CI around geomean	0.544	4.0	Standard	No Exceedance
APW15	UA	E004	Lead, total	mg/L	02/23/21 - 01/18/24	13	38	CI around median	0.001	0.0075	Standard	No Exceedance
APW15	UA	E004	Lithium, total	mg/L	02/23/21 - 01/18/24	13	62	CI around median	0.0076	0.04	Standard	No Exceedance
APW15	UA	E004	Mercury, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW15	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/18/24	12	0	CB around linear reg	0.00132	0.1	Standard	No Exceedance
APW15	UA	E004	pH (field)	SU	02/23/21 - 01/18/24	13	0	CI around median	6.9/7.2	6.4/9.0	Background/Standard	No Exceedance
APW15	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/18/24	12	0	CI around mean	1.6	6.90	Background	No Exceedance
APW15	UA	E004	Selenium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW15	UA	E004	Sulfate, total	mg/L	02/23/21 - 01/18/24	13	77	CI around median	1	400	Standard	No Exceedance
APW15	UA	E004	Thallium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW15	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	1,030	1,200	Standard	No Exceedance
APW16	UA	E004	Antimony, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.01	0.0590	Background	No Exceedance
APW16	UA	E004	Barium, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.558	2.0	Standard	No Exceedance
APW16	UA	E004	Beryllium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW16	UA	E004	Boron, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.129	2	Standard	No Exceedance
APW16	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW16	UA	E004	Chloride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	66.3	200	Standard	No Exceedance
APW16	UA	E004	Chromium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW16	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.64	4.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Lead, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW16	UA	E004	Lithium, total	mg/L	02/23/21 - 01/17/24	13	92	CI around median	0.0033	0.04	Standard	No Exceedance
APW16	UA	E004	Mercury, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW16	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/17/24	12	58	CI around median	0.001	0.1	Standard	No Exceedance
APW16	UA	E004	pH (field)	SU	02/23/21 - 01/17/24	13	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW16	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/17/24	12	0	CI around geomean	1.45	6.90	Background	No Exceedance
APW16	UA	E004	Selenium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW16	UA	E004	Sulfate, total	mg/L	02/23/21 - 01/17/24	13	85	CI around median	1	400	Standard	No Exceedance
APW16	UA	E004	Thallium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW16	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/17/24	13	0	CI around median	690	1,200	Standard	No Exceedance
APW17	UA	E004	Antimony, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/17/24	13	0	CB around linear reg	0.0297	0.0590	Background	No Exceedance
APW17	UA	E004	Barium, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.572	2.0	Standard	No Exceedance
APW17	UA	E004	Beryllium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW17	UA	E004	Boron, total	mg/L	02/23/21 - 01/17/24	13	0	CI around median	0.083	2	Standard	No Exceedance
APW17	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW17	UA	E004	Chloride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	47.3	200	Standard	No Exceedance
APW17	UA	E004	Chromium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW17	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.437	4.0	Standard	No Exceedance
APW17	UA	E004	Lead, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW17	UA	E004	Lithium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.003	0.04	Standard	No Exceedance
APW17	UA	E004	Mercury, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW17	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/17/24	12	0	CI around median	0.0048	0.1	Standard	No Exceedance
APW17	UA	E004	pH (field)	SU	02/23/21 - 01/17/24	13	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW17	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/17/24	12	0	CB around linear reg	1.08	6.90	Background	No Exceedance
APW17	UA	E004	Selenium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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	E004	Sulfate, total	mg/L	02/23/21 - 01/17/24	13	8	CB around T-S line	55.5	400	Standard	No Exceedance
APW17	UA	E004	Thallium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW17	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	641	1,200	Standard	No Exceedance
APW18	UA	E004	Antimony, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance
APW18	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/16/24	13	8	CI around mean	0.00176	0.0590	Background	No Exceedance
APW18	UA	E004	Barium, total	mg/L	02/23/21 - 01/16/24	13	0	CB around linear reg	0.338	2.0	Standard	No Exceedance
APW18	UA	E004	Beryllium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.004	Standard	No Exceedance
APW18	UA	E004	Boron, total	mg/L	02/23/21 - 01/16/24	13	0	CI around geomean	0.107	2	Standard	No Exceedance
APW18	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.005	Standard	No Exceedance
APW18	UA	E004	Chloride, total	mg/L	02/23/21 - 01/16/24	13	0	CB around T-S line	-96.1	200	Standard	No Exceedance
APW18	UA	E004	Chromium, total	mg/L	02/23/21 - 01/16/24	13	69	CB around T-S line	-0.0156	0.1	Standard	No Exceedance
APW18	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/16/24	13	77	CB around T-S line	-0.000578	0.006	Standard	No Exceedance
APW18	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/16/24	13	0	CI around median	0.54	4.0	Standard	No Exceedance
APW18	UA	E004	Lead, total	mg/L	02/23/21 - 01/16/24	13	54	CI around median	0.001	0.0075	Standard	No Exceedance
APW18	UA	E004	Lithium, total	mg/L	02/23/21 - 01/16/24	13	77	CI around median	0.01	0.04	Standard	No Exceedance
APW18	UA	E004	Mercury, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW18	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/16/24	12	0	CB around linear reg	-0.0114	0.1	Standard	No Exceedance
APW18	UA	E004	pH (field)	SU	02/23/21 - 01/16/24	13	0	CI around mean	7.5/7.8	6.4/9.0	Background/Standard	No Exceedance
APW18	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/16/24	12	0	CI around mean	1.47	6.90	Background	No Exceedance
APW18	UA	E004	Selenium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.05	Standard	No Exceedance
APW18	UA	E004	Sulfate, total	mg/L	02/23/21 - 01/16/24	13	15	CI around geomean	2.87	400	Standard	No Exceedance
APW18	UA	E004	Thallium, total	mg/L	02/23/21 - 01/16/24	13	85	CI around median	0.001	0.002	Standard	No Exceedance
APW18	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/16/24	13	0	CI around median	490	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
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.

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 linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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

FIGURES

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.

RAMBOLL

Y:\Mapping\Projects\222285\MXD\845_Operating_Permit\Newton\GMP\Figure 2-1_Proposed Monitoring Well Network.mxd

PROJECT: 169000XXXX | DATED: 10/20/2021 | DESIGNER: STOLZSD

ATTACHMENTS

ATTACHMENT A
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 1, 2024

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 2024
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	01/15/2024	5.30	528.14
APW03	Compliance	01/15/2024	6.15	526.43
APW04	Compliance	01/15/2024	5.11	519.71
APW05	Background	01/15/2024	14.36	529.88
APW05S	Compliance	01/15/2024	12.48	531.63
APW06	Background	01/15/2024	19.72	526.52
APW07	Compliance	01/15/2024	48.06	490.48
APW08	Compliance	01/15/2024	38.81	490.33
APW09	Compliance	01/15/2024	27.95	503.74
APW10	Compliance	01/15/2024	19.22	505.20
APW11	Compliance	01/15/2024	25.53	513.27
APW12	Compliance	01/15/2024	16.32	530.14
APW13	Compliance	01/15/2024	34.14	504.02
APW14	Compliance	01/15/2024	22.49	503.97
APW15	Compliance	01/15/2024	21.69	503.17
APW16	Compliance	01/15/2024	41.60	489.75
APW17	Compliance	01/15/2024	42.57	490.12
APW18	Compliance	01/15/2024	53.08	490.36
XSG01	Water Level	01/15/2024	5.70	534.30
SG02	Water Level	01/15/2024	3.75	503.14

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

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 1, 2024

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

February 20, 2024

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

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

RE: NEW-24Q1 **WorkOrder:** 24010247

Dear Eric Bauer:

TEKLAB, INC received 29 samples for NEW_845_501 on 1/26/2024 1:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Teklab, Inc.
Environmental Laboratory

Definitions

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010247
Report Date: 20-Feb-24

Cooler Receipt Temp: 5.1 °C

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

Date/times of collection for depth, only, wells are per SAR depth forms. EAH 1/29/24

Per Eric Bauer's request, only NEW_845_501 data is included in this report. EAH 2/20/24

Locations

Collinsville

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

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-005 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.99**	ft	1	01/18/2024 13:35	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**22**	NTU	1	01/18/2024 13:35	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**67**	mV	1	01/18/2024 13:35	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3220**	µS/cm	1	01/18/2024 13:35	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**8.6**	°C	1	01/18/2024 13:35	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.71**	mg/L	1	01/18/2024 13:35	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	01/18/2024 13:35	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**614**	mg/L	1	01/19/2024 15:36	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 15:36	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**5310**	mg/L	2.5	01/23/2024 11:03	R342154
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**3120**	mg/L	100	01/23/2024 13:24	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	01/22/2024 9:34	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**122**	mg/L	5	01/23/2024 13:19	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**476**	mg/L	1	01/24/2024 9:17	217595
Magnesium	NELAP	0.006	0.050		**442**	mg/L	1	01/24/2024 9:17	217595
Potassium	NELAP	0.040	0.100		**7.00**	mg/L	1	01/24/2024 9:17	217595
Sodium	NELAP	0.018	0.050		**421**	mg/L	1	01/24/2024 9:17	217595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	01/30/2024 23:14	217595
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/24/2024 20:12	217595
Barium	NELAP	0.7	1.0		**12.2**	µg/L	5	01/30/2024 23:14	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Boron	NELAP	9.2	25.0		**132**	µg/L	5	01/24/2024 20:12	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Chromium	NELAP	1.0	1.5		**1.6**	µg/L	5	01/29/2024 19:42	217595
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	01/31/2024 19:06	217595
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Lithium	*	1.4	3.0		**122**	µg/L	5	01/24/2024 20:12	217595
Molybdenum	NELAP	0.6	1.5		**2.3**	µg/L	5	01/30/2024 23:14	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 20:12	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/29/2024 19:42	217595

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-005 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

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	01/23/2024 8:04	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-006 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.65**	ft	1	01/23/2024 13:04	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**15**	NTU	1	01/23/2024 13:04	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**31**	mV	1	01/23/2024 13:04	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**814**	µS/cm	1	01/23/2024 13:04	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**9.1**	°C	1	01/23/2024 13:04	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.82**	mg/L	1	01/23/2024 13:04	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.83**		1	01/23/2024 13:04	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**481**	mg/L	1	01/24/2024 11:02	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:02	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**636**	mg/L	1	01/24/2024 10:22	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**121**	mg/L	10	01/24/2024 13:12	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.19**	mg/L	1	01/24/2024 13:10	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	01/24/2024 13:08	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**99.6**	mg/L	1	01/25/2024 11:44	217740
Magnesium	NELAP	0.006	0.050		**55.5**	mg/L	1	01/25/2024 11:44	217740
Potassium	NELAP	0.040	0.100		**0.561**	mg/L	1	01/25/2024 11:44	217740
Sodium	NELAP	0.018	0.050		**61.2**	mg/L	1	01/25/2024 11:44	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**2.3**	µg/L	5	01/31/2024 5:39	217740
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	01/31/2024 5:39	217740
Barium	NELAP	0.7	1.0		**98.1**	µg/L	5	01/31/2024 5:39	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:19	217740
Boron	NELAP	9.2	25.0		**385**	µg/L	5	01/31/2024 23:19	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 5:39	217740
Chromium	NELAP	0.9	1.5		**3.8**	µg/L	5	01/31/2024 5:39	217740
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	01/31/2024 23:19	217740
Lead	NELAP	0.6	1.0	J	**0.8**	µg/L	5	01/31/2024 5:39	217740
Lithium	*	1.4	3.0		**10.8**	µg/L	5	01/31/2024 23:19	217740
Molybdenum	NELAP	1.3	1.5		**1.8**	µg/L	5	01/31/2024 5:39	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 5:39	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 5:39	217740

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-006
Client Sample ID: APW03
Matrix: GROUNDWATER
Collection Date: 01/23/2024 13:04

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	01/24/2024 14:40	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-007 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.91**	ft	1	01/23/2024 13:52	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	01/23/2024 13:52	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**89**	mV	1	01/23/2024 13:52	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1590**	µS/cm	1	01/23/2024 13:52	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**8.3**	°C	1	01/23/2024 13:52	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.08**	mg/L	1	01/23/2024 13:52	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.76**		1	01/23/2024 13:52	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**419**	mg/L	1	01/24/2024 11:08	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:08	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1060**	mg/L	1	01/24/2024 10:22	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**543**	mg/L	50	01/24/2024 13:21	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	01/24/2024 13:12	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**44**	mg/L	1	01/24/2024 13:16	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**152**	mg/L	1	01/25/2024 11:46	217740
Magnesium	NELAP	0.006	0.050		**70.6**	mg/L	1	01/25/2024 11:46	217740
Potassium	NELAP	0.040	0.100		**1.80**	mg/L	1	01/25/2024 11:46	217740
Sodium	NELAP	0.018	0.050		**120**	mg/L	1	01/25/2024 11:46	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 5:45	217740
Arsenic	NELAP	0.4	1.0		**8.5**	µg/L	5	01/31/2024 5:45	217740
Barium	NELAP	0.7	1.0		**29.6**	µg/L	5	01/31/2024 5:45	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:25	217740
Boron	NELAP	9.2	25.0		**76.4**	µg/L	5	01/31/2024 23:25	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 5:45	217740
Chromium	NELAP	0.9	1.5	J	**1.1**	µg/L	5	01/31/2024 5:45	217740
Cobalt	NELAP	0.1	1.0	J	**1.0**	µg/L	5	01/31/2024 23:25	217740
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	01/31/2024 5:45	217740
Lithium	*	1.4	3.0		**22.1**	µg/L	5	01/31/2024 23:25	217740
Molybdenum	NELAP	1.3	1.5		**7.5**	µg/L	5	01/31/2024 5:45	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 5:45	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 5:45	217740

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-007 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:52

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	01/24/2024 14:43	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-008 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:22

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	01/16/2024 12:22	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**300**	NTU	1	01/16/2024 12:22	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**74**	mV	1	01/16/2024 12:22	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**910**	µS/cm	1	01/16/2024 12:22	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**7.1**	°C	1	01/16/2024 12:22	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.13**	mg/L	1	01/16/2024 12:22	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	01/16/2024 12:22	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**494**	mg/L	1	01/17/2024 14:21	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:21	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**485**	mg/L	2.5	01/18/2024 9:39	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**7**	mg/L	1	01/18/2024 15:21	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.50**	mg/L	1	01/18/2024 11:56	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**45**	mg/L	1	01/18/2024 15:21	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**72.2**	mg/L	1	01/18/2024 11:32	217484
Magnesium	NELAP	0.006	0.050		**32.1**	mg/L	1	01/18/2024 11:32	217484
Potassium	NELAP	0.040	0.100		**2.64**	mg/L	1	01/18/2024 11:32	217484
Sodium	NELAP	0.018	0.050		**126**	mg/L	1	01/18/2024 11:32	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/23/2024 15:02	217484
Arsenic	NELAP	0.4	1.0		**44.6**	µg/L	5	01/23/2024 15:02	217484
Barium	NELAP	0.7	1.0		**463**	µg/L	5	01/23/2024 15:02	217484
Beryllium	NELAP	0.2	1.0	J	**0.9**	µg/L	5	01/23/2024 15:02	217484
Boron	NELAP	9.2	25.0		**715**	µg/L	5	01/23/2024 15:02	217484
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	01/23/2024 15:02	217484
Chromium	NELAP	0.7	1.5		**29.2**	µg/L	5	01/23/2024 15:02	217484
Cobalt	NELAP	0.1	1.0		**12.5**	µg/L	5	01/23/2024 15:02	217484
Lead	NELAP	0.6	1.0		**16.9**	µg/L	5	01/23/2024 15:02	217484
Lithium	*	1.4	3.0		**27.0**	µg/L	5	01/23/2024 15:02	217484
Molybdenum	NELAP	0.6	1.5		**10.9**	µg/L	5	01/31/2024 0:52	217484
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:02	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:02	217484

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-008 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:22

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	01/18/2024 10:48	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-009 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.03**	ft	1	01/23/2024 9:24	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	01/23/2024 9:24	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**140**	mV	1	01/23/2024 9:24	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2570**	µS/cm	1	01/23/2024 9:24	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**9.1**	°C	1	01/23/2024 9:24	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.23**	mg/L	1	01/23/2024 9:24	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.70**		1	01/23/2024 9:24	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**548**	mg/L	1	01/24/2024 11:13	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:13	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2920**	mg/L	1	01/24/2024 10:23	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1690**	mg/L	50	01/24/2024 13:44	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	01/24/2024 13:14	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**155**	mg/L	5	01/24/2024 13:39	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**383**	mg/L	1	01/25/2024 11:48	217740
Magnesium	NELAP	0.006	0.050		**290**	mg/L	1	01/25/2024 11:48	217740
Potassium	NELAP	0.040	0.100		**2.36**	mg/L	1	01/25/2024 11:48	217740
Sodium	NELAP	0.018	0.050		**253**	mg/L	1	01/25/2024 11:48	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	01/31/2024 6:28	217740
Barium	NELAP	0.7	1.0		**29.6**	µg/L	5	01/31/2024 6:28	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:31	217740
Boron	NELAP	9.2	25.0		**41.1**	µg/L	5	01/31/2024 23:31	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Chromium	NELAP	0.7	1.5		**2.0**	µg/L	5	01/31/2024 23:31	217740
Cobalt	NELAP	0.1	1.0	J	**1.0**	µg/L	5	01/31/2024 23:31	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Lithium	*	1.4	3.0		**36.6**	µg/L	5	01/31/2024 23:31	217740
Molybdenum	NELAP	1.3	1.5		**< 1.5**	µg/L	5	01/31/2024 6:28	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:28	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:28	217740

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-009
Client Sample ID: APW05S
Matrix: GROUNDWATER
Collection Date: 01/23/2024 9:24

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	01/24/2024 14:45	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-010 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.55**	ft	1	01/23/2024 10:04	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**41**	NTU	1	01/23/2024 10:04	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**17**	mV	1	01/23/2024 10:04	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**784**	µS/cm	1	01/23/2024 10:04	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.0**	°C	1	01/23/2024 10:04	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.95**	mg/L	1	01/23/2024 10:04	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.55**		1	01/23/2024 10:04	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**462**	mg/L	1	01/24/2024 11:19	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:19	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**508**	mg/L	1	01/24/2024 10:42	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**9**	mg/L	1	01/24/2024 13:47	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.47**	mg/L	1	01/24/2024 13:16	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	01/24/2024 13:48	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**58.1**	mg/L	1	01/25/2024 11:49	217740
Magnesium	NELAP	0.006	0.050		**26.1**	mg/L	1	01/25/2024 11:49	217740
Potassium	NELAP	0.040	0.100		**1.43**	mg/L	1	01/25/2024 11:49	217740
Sodium	NELAP	0.018	0.050		**111**	mg/L	1	01/25/2024 11:49	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Arsenic	NELAP	0.4	1.0		**8.5**	µg/L	5	01/31/2024 6:33	217740
Barium	NELAP	0.7	1.0		**241**	µg/L	5	01/31/2024 6:33	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:36	217740
Boron	NELAP	9.2	25.0		**78.8**	µg/L	5	01/31/2024 23:36	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Chromium	NELAP	0.7	1.5		**2.4**	µg/L	5	01/31/2024 23:36	217740
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	01/31/2024 23:36	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Lithium	*	1.4	3.0		**11.3**	µg/L	5	01/31/2024 23:36	217740
Molybdenum	NELAP	1.3	1.5		**9.9**	µg/L	5	01/31/2024 6:33	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:33	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:33	217740

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-010 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 10:04

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	01/24/2024 14:48	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-011 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**47.72**	ft	1	01/23/2024 11:29	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**18**	NTU	1	01/23/2024 11:29	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**81**	mV	1	01/23/2024 11:29	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**781**	µS/cm	1	01/23/2024 11:29	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.5**	°C	1	01/23/2024 11:29	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.13**	mg/L	1	01/23/2024 11:29	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.01**		1	01/23/2024 11:29	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**388**	mg/L	1	01/24/2024 11:25	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:25	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**540**	mg/L	1	01/24/2024 10:42	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**32**	mg/L	1	01/24/2024 13:50	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.44**	mg/L	1	01/24/2024 13:18	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**70**	mg/L	5	01/24/2024 13:55	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**85.8**	mg/L	1	01/25/2024 11:51	217740
Magnesium	NELAP	0.006	0.050		**34.0**	mg/L	1	01/25/2024 11:51	217740
Potassium	NELAP	0.040	0.100		**2.72**	mg/L	1	01/25/2024 11:51	217740
Sodium	NELAP	0.018	0.050	S	**85.8**	mg/L	1	01/25/2024 11:51	217740
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.9**	µg/L	5	01/31/2024 23:53	217740
Arsenic	NELAP	0.4	1.0		**1.8**	µg/L	5	01/31/2024 23:53	217740
Barium	NELAP	0.7	1.0		**318**	µg/L	5	01/31/2024 23:53	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Boron	NELAP	9.2	25.0		**89.1**	µg/L	5	01/31/2024 23:53	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Chromium	NELAP	0.7	1.5		**3.1**	µg/L	5	01/31/2024 23:53	217740
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	01/31/2024 23:53	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Lithium	*	1.4	3.0		**4.2**	µg/L	5	01/31/2024 23:53	217740
Molybdenum	NELAP	0.6	1.5		**10.1**	µg/L	5	02/05/2024 13:21	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 23:53	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/01/2024 18:42	217740

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-011 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 11:29

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	01/24/2024 14:54	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-012 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**38.44**	ft	1	01/18/2024 11:21	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**200**	NTU	1	01/18/2024 11:21	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-34**	mV	1	01/18/2024 11:21	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**812**	µS/cm	1	01/18/2024 11:21	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.9**	°C	1	01/18/2024 11:21	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.00**	mg/L	1	01/18/2024 11:21	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.14**		1	01/18/2024 11:21	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**514**	mg/L	1	01/19/2024 15:43	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 15:43	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**585**	mg/L	2.5	01/22/2024 9:28	R342098
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**59**	mg/L	2	01/23/2024 13:29	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.49**	mg/L	1	01/22/2024 9:37	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**58**	mg/L	2	01/23/2024 13:30	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**105**	mg/L	1	01/24/2024 9:18	217595
Magnesium	NELAP	0.006	0.050		**42.7**	mg/L	1	01/24/2024 9:18	217595
Potassium	NELAP	0.040	0.100		**2.33**	mg/L	1	01/24/2024 9:18	217595
Sodium	NELAP	0.018	0.050		**85.8**	mg/L	1	01/24/2024 9:18	217595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 23:20	217595
Arsenic	NELAP	0.4	1.0		**24.1**	µg/L	5	01/24/2024 20:18	217595
Barium	NELAP	0.7	1.0		**522**	µg/L	5	01/30/2024 23:20	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:18	217595
Boron	NELAP	9.2	25.0		**83.8**	µg/L	5	01/24/2024 20:18	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 20:18	217595
Chromium	NELAP	1.0	1.5		**6.8**	µg/L	5	01/29/2024 19:48	217595
Cobalt	NELAP	0.1	1.0		**2.2**	µg/L	5	01/31/2024 19:12	217595
Lead	NELAP	0.6	1.0		**2.7**	µg/L	5	01/24/2024 20:18	217595
Lithium	*	1.4	3.0		**5.9**	µg/L	5	01/24/2024 20:18	217595
Molybdenum	NELAP	0.6	1.5		**6.1**	µg/L	5	01/30/2024 23:20	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 20:18	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/29/2024 19:48	217595

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-012
Client Sample ID: APW08
Matrix: GROUNDWATER
Collection Date: 01/18/2024 11:21

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	01/23/2024 8:06	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-013 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**27.73**	ft	1	01/23/2024 12:23	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	01/23/2024 12:23	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-20**	mV	1	01/23/2024 12:23	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1210**	µS/cm	1	01/23/2024 12:23	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.5**	°C	1	01/23/2024 12:23	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.60**	mg/L	1	01/23/2024 12:23	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.41**		1	01/23/2024 12:23	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**612**	mg/L	1	01/24/2024 11:30	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:30	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**810**	mg/L	1	01/24/2024 10:43	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**11**	mg/L	1	01/24/2024 13:58	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.44**	mg/L	1	01/24/2024 13:20	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**141**	mg/L	5	01/24/2024 14:03	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**82.0**	mg/L	1	01/25/2024 12:15	217740
Magnesium	NELAP	0.006	0.050		**38.5**	mg/L	1	01/25/2024 12:15	217740
Potassium	NELAP	0.040	0.100		**1.88**	mg/L	1	01/25/2024 12:15	217740
Sodium	NELAP	0.018	0.050		**192**	mg/L	1	01/25/2024 12:15	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Arsenic	NELAP	0.4	1.0		**31.2**	µg/L	5	01/31/2024 6:39	217740
Barium	NELAP	0.7	1.0		**460**	µg/L	5	01/31/2024 6:39	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:42	217740
Boron	NELAP	9.2	25.0		**99.4**	µg/L	5	01/31/2024 23:42	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Chromium	NELAP	0.9	1.5	J	**1.2**	µg/L	5	01/31/2024 6:39	217740
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	01/31/2024 23:42	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Lithium	*	1.4	3.0		**8.0**	µg/L	5	01/31/2024 23:42	217740
Molybdenum	NELAP	1.3	1.5		**3.8**	µg/L	5	01/31/2024 6:39	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:39	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:39	217740

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-013 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	J	**0.14**	µg/L	1	01/24/2024 14:57	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-014 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.87**	ft	1	01/23/2024 14:39	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.1**	NTU	1	01/23/2024 14:39	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**83**	mV	1	01/23/2024 14:39	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1280**	µS/cm	1	01/23/2024 14:39	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.0**	°C	1	01/23/2024 14:39	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.37**	mg/L	1	01/23/2024 14:39	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.13**		1	01/23/2024 14:39	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**515**	mg/L	1	01/24/2024 11:37	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:37	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1690**	mg/L	1	01/24/2024 10:43	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**785**	mg/L	50	01/25/2024 10:37	R342249
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.15**	mg/L	1	01/24/2024 13:22	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**35**	mg/L	1	01/24/2024 14:06	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**221**	mg/L	1	01/25/2024 12:16	217740
Magnesium	NELAP	0.006	0.050		**175**	mg/L	1	01/25/2024 12:16	217740
Potassium	NELAP	0.040	0.100		**1.61**	mg/L	1	01/25/2024 12:16	217740
Sodium	NELAP	0.018	0.050		**89.0**	mg/L	1	01/25/2024 12:16	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.0**	µg/L	5	01/31/2024 6:45	217740
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/31/2024 6:45	217740
Barium	NELAP	0.7	1.0		**20.6**	µg/L	5	01/31/2024 6:45	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 23:48	217740
Boron	NELAP	9.2	25	J	**25**	µg/L	5	01/31/2024 23:48	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 6:45	217740
Chromium	NELAP	0.7	1.5		**2.4**	µg/L	5	01/31/2024 23:48	217740
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	01/31/2024 23:48	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:45	217740
Lithium	*	1.4	3.0		**20.5**	µg/L	5	01/31/2024 23:48	217740
Molybdenum	NELAP	1.3	1.5		**< 1.5**	µg/L	5	01/31/2024 6:45	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 6:45	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 6:45	217740

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-014 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 14:39

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	01/24/2024 15:04	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-015 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**25.51**	ft	1	01/16/2024 10:37	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**260**	NTU	1	01/16/2024 10:37	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**37**	mV	1	01/16/2024 10:37	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1260**	µS/cm	1	01/16/2024 10:37	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.7**	°C	1	01/16/2024 10:37	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.56**	mg/L	1	01/16/2024 10:37	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.92**		1	01/16/2024 10:37	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**415**	mg/L	1	01/17/2024 14:28	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:28	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**740**	mg/L	2.5	01/18/2024 9:25	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**288**	mg/L	10	01/18/2024 15:53	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	01/18/2024 11:58	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	01/18/2024 15:26	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**141**	mg/L	1	01/18/2024 11:34	217484
Magnesium	NELAP	0.006	0.050		**60.2**	mg/L	1	01/18/2024 11:34	217484
Potassium	NELAP	0.040	0.100		**2.34**	mg/L	1	01/18/2024 11:34	217484
Sodium	NELAP	0.018	0.050		**88.9**	mg/L	1	01/18/2024 11:34	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 15:08	217484
Arsenic	NELAP	0.4	1.0		**6.2**	µg/L	5	01/23/2024 15:08	217484
Barium	NELAP	0.7	1.0		**70.1**	µg/L	5	01/23/2024 15:08	217484
Beryllium	NELAP	0.2	1.0	J	**0.5**	µg/L	5	01/23/2024 15:08	217484
Boron	NELAP	9.2	25.0		**268**	µg/L	5	01/23/2024 15:08	217484
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:08	217484
Chromium	NELAP	0.7	1.5		**13.5**	µg/L	5	01/23/2024 15:08	217484
Cobalt	NELAP	0.1	1.0		**4.5**	µg/L	5	01/23/2024 15:08	217484
Lead	NELAP	0.6	1.0		**21.5**	µg/L	5	01/23/2024 15:08	217484
Lithium	*	1.4	3.0		**35.3**	µg/L	5	01/23/2024 15:08	217484
Molybdenum	NELAP	0.6	1.5		**4.5**	µg/L	5	01/31/2024 0:57	217484
Selenium	NELAP	0.6	1.0		**1.3**	µg/L	5	01/23/2024 15:08	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:08	217484

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-015 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 10:37

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	01/18/2024 10:50	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-016 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.13**	ft	1	01/16/2024 13:20	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.2**	NTU	1	01/16/2024 13:20	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**133**	mV	1	01/16/2024 13:20	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2000**	µS/cm	1	01/16/2024 13:20	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.9**	°C	1	01/16/2024 13:20	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.88**	mg/L	1	01/16/2024 13:20	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.43**		1	01/16/2024 13:20	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**646**	mg/L	1	01/17/2024 14:34	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:34	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1670**	mg/L	1	01/18/2024 9:39	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**652**	mg/L	20	01/18/2024 16:09	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.17**	mg/L	1	01/18/2024 12:00	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**29**	mg/L	1	01/18/2024 16:04	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**270**	mg/L	1	01/18/2024 11:35	217484
Magnesium	NELAP	0.006	0.050		**127**	mg/L	1	01/18/2024 11:35	217484
Potassium	NELAP	0.040	0.100		**1.29**	mg/L	1	01/18/2024 11:35	217484
Sodium	NELAP	0.018	0.050		**135**	mg/L	1	01/18/2024 11:35	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Arsenic	NELAP	0.4	1.0	J	**0.9**	µg/L	5	01/23/2024 15:14	217484
Barium	NELAP	0.7	1.0		**42.2**	µg/L	5	01/23/2024 15:14	217484
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Boron	NELAP	9.2	25.0		**997**	µg/L	5	01/23/2024 15:14	217484
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Chromium	NELAP	0.7	1.5	J	**1.4**	µg/L	5	01/23/2024 15:14	217484
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	01/31/2024 1:03	217484
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Lithium	*	1.4	3.0		**45.7**	µg/L	5	01/23/2024 15:14	217484
Molybdenum	NELAP	0.6	1.5	J	**0.6**	µg/L	5	01/31/2024 1:03	217484
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:14	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:14	217484

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-016 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 13:20

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	01/18/2024 10:53	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-017 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**33.81**	ft	1	01/17/2024 13:34	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	01/17/2024 13:34	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**9**	mV	1	01/17/2024 13:34	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1390**	µS/cm	1	01/17/2024 13:34	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.8**	°C	1	01/17/2024 13:34	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.84**	mg/L	1	01/17/2024 13:34	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.06**		1	01/17/2024 13:34	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**506**	mg/L	1	01/18/2024 14:33	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:33	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**920**	mg/L	2.5	01/18/2024 13:56	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**259**	mg/L	10	01/19/2024 11:11	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.45**	mg/L	1	01/19/2024 10:37	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**54**	mg/L	2	01/19/2024 11:06	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**126**	mg/L	1	01/19/2024 12:20	217566
Magnesium	NELAP	0.006	0.050		**61.5**	mg/L	1	01/19/2024 12:20	217566
Potassium	NELAP	0.040	0.100		**2.00**	mg/L	1	01/19/2024 12:20	217566
Sodium	NELAP	0.018	0.050		**122**	mg/L	1	01/19/2024 12:20	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Arsenic	NELAP	0.4	1.0		**8.5**	µg/L	5	01/23/2024 21:21	217566
Barium	NELAP	0.7	1.0		**88.1**	µg/L	5	01/23/2024 21:21	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Boron	NELAP	9.2	25.0		**96.5**	µg/L	5	01/24/2024 19:36	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Chromium	NELAP	0.8	1.5	J	**1.0**	µg/L	5	01/29/2024 19:11	217566
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	01/23/2024 21:21	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Lithium	*	1.4	3.0		**37.3**	µg/L	5	01/23/2024 21:21	217566
Molybdenum	NELAP	0.6	1.5		**8.1**	µg/L	5	01/30/2024 17:12	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:21	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:21	217566

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-017 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 13:34

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	01/19/2024 10:57	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-018 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**22.29**	ft	1	01/17/2024 14:27	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	01/17/2024 14:27	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-16**	mV	1	01/17/2024 14:27	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1460**	µS/cm	1	01/17/2024 14:27	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.6**	°C	1	01/17/2024 14:27	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.64**	mg/L	1	01/17/2024 14:27	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.16**		1	01/17/2024 14:27	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**467**	mg/L	1	01/18/2024 14:40	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:40	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1000**	mg/L	2.5	01/18/2024 13:56	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**376**	mg/L	10	01/19/2024 11:19	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	01/19/2024 10:39	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**44**	mg/L	2	01/19/2024 11:14	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**140**	mg/L	1	01/19/2024 12:21	217566
Magnesium	NELAP	0.006	0.050		**66.4**	mg/L	1	01/19/2024 12:21	217566
Potassium	NELAP	0.040	0.100		**1.80**	mg/L	1	01/19/2024 12:21	217566
Sodium	NELAP	0.018	0.050		**129**	mg/L	1	01/19/2024 12:21	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Arsenic	NELAP	0.4	1.0		**11.5**	µg/L	5	01/23/2024 21:27	217566
Barium	NELAP	0.7	1.0		**88.5**	µg/L	5	01/23/2024 21:27	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Boron	NELAP	9.2	25.0		**84.7**	µg/L	5	01/24/2024 19:42	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Chromium	NELAP	0.8	1.5	J	**0.8**	µg/L	5	01/29/2024 19:17	217566
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Lithium	*	1.4	3.0		**33.9**	µg/L	5	01/23/2024 21:27	217566
Molybdenum	NELAP	0.6	1.5		**5.3**	µg/L	5	01/30/2024 18:43	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:27	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:27	217566

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-018 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 14:27

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	01/19/2024 11:00	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-019 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.33**	ft	1	01/18/2024 10:14	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**61**	NTU	1	01/18/2024 10:14	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-94**	mV	1	01/18/2024 10:14	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1440**	µS/cm	1	01/18/2024 10:14	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.1**	°C	1	01/18/2024 10:14	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.33**	mg/L	1	01/18/2024 10:14	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.89**		1	01/18/2024 10:14	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**742**	mg/L	1	01/19/2024 15:49	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 15:49	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**990**	mg/L	2.5	01/22/2024 9:45	R342098
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**11**	mg/L	1	01/23/2024 13:40	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.53**	mg/L	1	01/22/2024 9:44	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**246**	mg/L	10	01/23/2024 13:46	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**90.3**	mg/L	1	01/24/2024 9:19	217595
Magnesium	NELAP	0.006	0.050		**36.6**	mg/L	1	01/24/2024 9:19	217595
Potassium	NELAP	0.040	0.100		**3.47**	mg/L	1	01/24/2024 9:19	217595
Sodium	NELAP	0.018	0.050	S	**292**	mg/L	1	01/24/2024 9:19	217595
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 23:48	217595
Arsenic	NELAP	0.4	1.0		**28.1**	µg/L	5	01/24/2024 21:30	217595
Barium	NELAP	0.7	1.0		**619**	µg/L	5	01/30/2024 23:48	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:30	217595
Boron	NELAP	9.2	25.0		**126**	µg/L	5	01/24/2024 21:30	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:30	217595
Chromium	NELAP	1.0	1.5		**5.3**	µg/L	5	01/29/2024 22:30	217595
Cobalt	NELAP	0.1	1.0		**1.7**	µg/L	5	01/31/2024 19:18	217595
Lead	NELAP	0.6	1.0		**2.3**	µg/L	5	01/24/2024 21:30	217595
Lithium	*	1.4	3.0		**7.6**	µg/L	5	01/24/2024 21:30	217595
Molybdenum	NELAP	0.6	1.5		**5.3**	µg/L	5	01/30/2024 23:48	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 21:30	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/30/2024 23:48	217595

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-019
Client Sample ID: APW15
Matrix: GROUNDWATER
Collection Date: 01/18/2024 10:14

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	01/23/2024 8:09	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-020 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**41.31**	ft	1	01/17/2024 12:06	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	01/17/2024 12:06	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-87**	mV	1	01/17/2024 12:06	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1270**	µS/cm	1	01/17/2024 12:06	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.8**	°C	1	01/17/2024 12:06	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.57**	mg/L	1	01/17/2024 12:06	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.31**		1	01/17/2024 12:06	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**645**	mg/L	1	01/18/2024 14:46	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:46	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**730**	mg/L	2.5	01/18/2024 13:57	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	JS	**9**	mg/L	1	01/19/2024 11:24	R342020
Matrix spike did not recover within control limits due to matrix interference.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.79**	mg/L	1	01/19/2024 10:41	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**69**	mg/L	2	01/19/2024 11:35	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**97.2**	mg/L	1	01/19/2024 12:40	217566
Magnesium	NELAP	0.006	0.050		**41.9**	mg/L	1	01/19/2024 12:40	217566
Potassium	NELAP	0.040	0.100		**1.99**	mg/L	1	01/19/2024 12:40	217566
Sodium	NELAP	0.018	0.050		**134**	mg/L	1	01/19/2024 12:40	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Arsenic	NELAP	0.4	1.0		**22.7**	µg/L	5	01/23/2024 21:32	217566
Barium	NELAP	0.7	1.0		**557**	µg/L	5	01/23/2024 21:32	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Boron	NELAP	9.2	25.0		**124**	µg/L	5	01/24/2024 19:48	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Chromium	NELAP	0.8	1.5	J	**1.1**	µg/L	5	01/29/2024 19:23	217566
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	01/23/2024 21:32	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Lithium	*	1.4	3.0		**3.3**	µg/L	5	01/23/2024 21:32	217566
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	01/30/2024 18:49	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:32	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:32	217566

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-020 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 12:06

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	01/19/2024 11:03	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-021 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**42.31**	ft	1	01/17/2024 10:25	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	01/17/2024 10:25	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-37**	mV	1	01/17/2024 10:25	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1150**	µS/cm	1	01/17/2024 10:25	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.3**	°C	1	01/17/2024 10:25	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.75**	mg/L	1	01/17/2024 10:25	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.30**		1	01/17/2024 10:25	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**534**	mg/L	1	01/18/2024 14:53	R341986
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 14:53	R341986
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**680**	mg/L	2.5	01/18/2024 13:57	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**60**	mg/L	2	01/19/2024 12:02	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	01/19/2024 10:43	R342001
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**57**	mg/L	2	01/19/2024 12:02	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**115**	mg/L	1	01/19/2024 12:42	217566
Magnesium	NELAP	0.006	0.050		**46.4**	mg/L	1	01/19/2024 12:42	217566
Potassium	NELAP	0.040	0.100		**1.81**	mg/L	1	01/19/2024 12:42	217566
Sodium	NELAP	0.018	0.050		**87.9**	mg/L	1	01/19/2024 12:42	217566
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Arsenic	NELAP	0.4	1.0		**38.5**	µg/L	5	01/23/2024 21:38	217566
Barium	NELAP	0.7	1.0		**653**	µg/L	5	01/23/2024 21:38	217566
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Boron	NELAP	9.2	25.0		**84.8**	µg/L	5	01/24/2024 19:54	217566
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Chromium	NELAP	0.8	1.5	J	**1.0**	µg/L	5	01/29/2024 19:29	217566
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	01/23/2024 21:38	217566
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Lithium	*	1.4	3.0	J	**2.6**	µg/L	5	01/23/2024 21:38	217566
Molybdenum	NELAP	0.6	1.5		**4.8**	µg/L	5	01/30/2024 18:55	217566
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 21:38	217566
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 21:38	217566

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-021 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 10:25

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	01/19/2024 11:05	217574

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-022 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**52.91**	ft	1	01/16/2024 14:45	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	01/16/2024 14:45	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-60**	mV	1	01/16/2024 14:45	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**968**	µS/cm	1	01/16/2024 14:45	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.7**	°C	1	01/16/2024 14:45	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.05**	mg/L	1	01/16/2024 14:45	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**7.66**		1	01/16/2024 14:45	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**507**	mg/L	1	01/17/2024 14:42	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 14:42	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**208**	mg/L	1	01/18/2024 9:40	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**43**	mg/L	2	01/18/2024 16:38	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.54**	mg/L	1	01/18/2024 12:02	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**24**	mg/L	1	01/18/2024 16:14	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**82.5**	mg/L	1	01/18/2024 11:44	217484
Magnesium	NELAP	0.006	0.050		**39.4**	mg/L	1	01/18/2024 11:44	217484
Potassium	NELAP	0.040	0.100		**2.81**	mg/L	1	01/18/2024 11:44	217484
Sodium	NELAP	0.018	0.050		**102**	mg/L	1	01/18/2024 11:44	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Arsenic	NELAP	0.4	1.0		**2.9**	µg/L	5	01/23/2024 15:19	217484
Barium	NELAP	0.7	1.0		**510**	µg/L	5	01/23/2024 15:19	217484
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Boron	NELAP	9.2	25.0		**235**	µg/L	5	01/23/2024 15:19	217484
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Chromium	NELAP	0.7	1.5		**2.2**	µg/L	5	01/23/2024 15:19	217484
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	01/23/2024 15:19	217484
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	01/24/2024 15:30	217484
Lithium	*	1.4	3.0		**10.0**	µg/L	5	01/23/2024 15:19	217484
Molybdenum	NELAP	0.6	1.5		**5.1**	µg/L	5	01/31/2024 1:09	217484
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/23/2024 15:19	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 15:19	217484

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-022 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:45

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	01/18/2024 10:55	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-094 **Client Sample ID:** XPW01-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.72**	ft	1	01/16/2024 14:21	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**130**	NTU	1	01/16/2024 14:21	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-218**	mV	1	01/16/2024 14:21	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**11200**	µS/cm	1	01/16/2024 14:21	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	01/16/2024 14:21	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.20**	mg/L	1	01/16/2024 14:21	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**12.5**		1	01/16/2024 14:21	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/18/2024 10:08	R341971
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**760**	mg/L	1	01/18/2024 10:08	R341971
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**5200**	mg/L	5	01/18/2024 9:15	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**2450**	mg/L	50	01/19/2024 13:16	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**4.29**	mg/L	1	01/18/2024 12:06	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**59**	mg/L	5	01/18/2024 16:57	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**12.4**	mg/L	1	01/18/2024 11:47	217484
Magnesium	NELAP	0.006	0.050		**0.856**	mg/L	1	01/18/2024 11:47	217484
Potassium	NELAP	0.800	2.00		**42.0**	mg/L	20	01/19/2024 13:28	217484
Sodium	NELAP	0.360	1.00		**1850**	mg/L	20	01/19/2024 13:28	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.9**	µg/L	5	01/23/2024 16:23	217484
Arsenic	NELAP	0.4	1.0		**69.7**	µg/L	5	01/23/2024 16:23	217484
Barium	NELAP	0.7	1.0		**124**	µg/L	5	01/23/2024 16:23	217484
Beryllium	NELAP	0.2	1.0	J	**0.7**	µg/L	5	01/23/2024 16:23	217484
Boron	NELAP	9.2	25.0		**18100**	µg/L	5	01/23/2024 16:23	217484
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	01/23/2024 16:23	217484
Chromium	NELAP	0.7	1.5		**16.5**	µg/L	5	01/23/2024 16:23	217484
Cobalt	NELAP	0.1	1.0		**2.0**	µg/L	5	01/23/2024 16:23	217484
Lead	NELAP	0.6	1.0		**11.5**	µg/L	5	01/23/2024 16:23	217484
Lithium	*	1.4	3.0		**79.4**	µg/L	5	01/23/2024 16:23	217484
Molybdenum	NELAP	0.6	1.5		**160**	µg/L	5	01/31/2024 1:14	217484
Selenium	NELAP	0.6	1.0		**53.7**	µg/L	5	01/23/2024 16:23	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 16:23	217484

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-094 **Client Sample ID:** XPW01-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	S	**3.37**	µg/L	1	01/18/2024 10:57	217502

Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-095 **Client Sample ID:** XPW02-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 13:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.72**	ft	1	01/16/2024 13:05	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**15**	NTU	1	01/16/2024 13:05	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-158**	mV	1	01/16/2024 13:05	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**597**	µS/cm	1	01/16/2024 13:05	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.7**	°C	1	01/16/2024 13:05	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.41**	mg/L	1	01/16/2024 13:05	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**9.82**		1	01/16/2024 13:05	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**12**	mg/L	1	01/17/2024 15:03	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**37**	mg/L	1	01/17/2024 15:03	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**322**	mg/L	1	01/19/2024 10:57	R342053
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**219**	mg/L	20	01/18/2024 17:05	R341983
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.48**	mg/L	1	01/18/2024 12:07	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**18**	mg/L	1	01/18/2024 17:00	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**38.0**	mg/L	1	01/18/2024 11:49	217484
Magnesium	NELAP	0.006	0.050		**0.983**	mg/L	1	01/18/2024 11:49	217484
Potassium	NELAP	0.400	1.00		**19.0**	mg/L	10	01/19/2024 13:30	217484
Sodium	NELAP	0.018	0.050		**72.9**	mg/L	1	01/18/2024 11:49	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.0**	µg/L	5	01/23/2024 16:28	217484
Arsenic	NELAP	0.4	1.0		**63.2**	µg/L	5	01/24/2024 15:48	217484
Barium	NELAP	0.7	1.0		**137**	µg/L	5	01/23/2024 16:28	217484
Beryllium	NELAP	0.2	1.0	J	**0.6**	µg/L	5	01/23/2024 16:28	217484
Boron	NELAP	9.2	25.0		**2390**	µg/L	5	01/23/2024 16:28	217484
Cadmium	NELAP	0.2	1.0	J	**0.5**	µg/L	5	01/29/2024 20:57	217484
Chromium	NELAP	0.7	1.5		**9.3**	µg/L	5	01/23/2024 16:28	217484
Cobalt	NELAP	0.1	1.0		**1.1**	µg/L	5	01/31/2024 20:44	217484
Lead	NELAP	0.6	1.0		**6.1**	µg/L	5	01/23/2024 16:28	217484
Lithium	*	1.4	3.0		**30.2**	µg/L	5	01/23/2024 16:28	217484
Molybdenum	NELAP	0.6	1.5		**47.8**	µg/L	5	01/31/2024 1:20	217484
Selenium	NELAP	0.6	1.0	J	**0.8**	µg/L	5	01/23/2024 16:28	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 16:28	217484

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-095
Client Sample ID: XPW02-pore
Matrix: GROUNDWATER
Collection Date: 01/16/2024 13:05

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	01/18/2024 11:11	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-096 **Client Sample ID:** XPW03-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.97**	ft	1	01/16/2024 12:12	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**240**	NTU	1	01/16/2024 12:12	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-151**	mV	1	01/16/2024 12:12	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1650**	µS/cm	1	01/16/2024 12:12	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	01/16/2024 12:12	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.42**	mg/L	1	01/16/2024 12:12	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**11.8**		1	01/16/2024 12:12	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 15:09	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**155**	mg/L	1	01/17/2024 15:09	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**475**	mg/L	2.5	01/18/2024 9:24	R342029
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**169**	mg/L	10	01/19/2024 13:22	R342020
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		**1.09**	mg/L	10	01/18/2024 12:31	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	01/18/2024 17:08	R341985
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**81.4**	mg/L	1	01/18/2024 11:51	217484
Magnesium	NELAP	0.006	0.050		**8.06**	mg/L	1	01/18/2024 11:51	217484
Potassium	NELAP	0.400	1.00		**27.8**	mg/L	10	01/19/2024 13:31	217484
Sodium	NELAP	0.018	0.050		**182**	mg/L	1	01/18/2024 11:51	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**3.2**	µg/L	5	01/23/2024 16:34	217484
Arsenic	NELAP	0.4	1.0		**50.6**	µg/L	5	01/24/2024 16:42	217484
Barium	NELAP	0.7	1.0		**2000**	µg/L	5	01/23/2024 16:34	217484
Beryllium	NELAP	0.2	1.0		**3.9**	µg/L	5	01/23/2024 16:34	217484
Boron	NELAP	9.2	25.0		**3380**	µg/L	5	01/23/2024 16:34	217484
Cadmium	NELAP	0.2	1.0	J	**0.8**	µg/L	5	01/24/2024 16:42	217484
Chromium	NELAP	0.7	1.5		**51.9**	µg/L	5	01/23/2024 16:34	217484
Cobalt	NELAP	0.1	1.0		**7.5**	µg/L	5	01/31/2024 20:50	217484
Lead	NELAP	0.6	1.0		**37.1**	µg/L	5	01/23/2024 16:34	217484
Lithium	*	1.4	3.0		**67.3**	µg/L	5	01/23/2024 16:34	217484
Molybdenum	NELAP	0.6	1.5		**123**	µg/L	5	01/31/2024 1:26	217484
Selenium	NELAP	0.6	1.0		**12.5**	µg/L	5	01/23/2024 16:34	217484
Thallium	NELAP	1.0	2.0	J	**1.2**	µg/L	5	01/23/2024 16:34	217484

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-096 **Client Sample ID:** XPW03-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:12

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	01/18/2024 11:15	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-097 **Client Sample ID:** XPW04-pore

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.24**	ft	1	01/16/2024 11:23	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.2**	NTU	1	01/16/2024 11:23	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-150**	mV	1	01/16/2024 11:23	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**13600**	µS/cm	1	01/16/2024 11:23	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.5**	°C	1	01/16/2024 11:23	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.42**	mg/L	1	01/16/2024 11:23	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**11.7**		1	01/16/2024 11:23	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/17/2024 15:17	R341909
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**246**	mg/L	1	01/17/2024 15:17	R341909
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		**12000**	mg/L	5	01/19/2024 10:57	R342053
SW-846 9036 (TOTAL)									
Sulfate	NELAP	1230	2000		**7880**	mg/L	200	01/23/2024 15:16	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.83**	mg/L	1	01/18/2024 12:20	R341950
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**152**	mg/L	10	01/19/2024 10:44	R342023
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**97.3**	mg/L	1	01/18/2024 11:52	217484
Magnesium	NELAP	0.006	0.050		**0.393**	mg/L	1	01/18/2024 11:52	217484
Potassium	NELAP	0.800	2.00		**85.1**	mg/L	20	01/19/2024 13:33	217484
Sodium	NELAP	0.360	1.00		**3670**	mg/L	20	01/19/2024 13:33	217484
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.1**	µg/L	5	01/23/2024 16:40	217484
Arsenic	NELAP	0.4	1.0		**56.3**	µg/L	5	01/23/2024 16:40	217484
Barium	NELAP	0.7	1.0		**144**	µg/L	5	01/23/2024 16:40	217484
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/23/2024 16:40	217484
Boron	NELAP	9.2	25.0		**7060**	µg/L	5	01/23/2024 16:40	217484
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	01/23/2024 16:40	217484
Chromium	NELAP	0.7	1.5		**15.4**	µg/L	5	01/23/2024 16:40	217484
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	01/23/2024 16:40	217484
Lead	NELAP	0.6	1.0		**1.1**	µg/L	5	01/23/2024 16:40	217484
Lithium	*	1.4	3.0		**41.4**	µg/L	5	01/23/2024 16:40	217484
Molybdenum	NELAP	0.6	1.5		**552**	µg/L	5	01/31/2024 2:12	217484
Selenium	NELAP	0.6	1.0		**154**	µg/L	5	01/23/2024 16:40	217484
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/23/2024 16:40	217484

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24
Lab ID: 24010247-097
Client Sample ID: XPW04-pore
Matrix: GROUNDWATER
Collection Date: 01/16/2024 11:23

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	01/18/2024 11:17	217502

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-098 **Client Sample ID:** XSG01

Matrix: GROUNDWATER **Collection Date:** 01/15/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.70**	ft	1	01/15/2024 12:48	R342563

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-099 **Client Sample ID:** YSG02

Matrix: GROUNDWATER **Collection Date:** 01/15/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.75**	ft	1	01/15/2024 10:17	R342563

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-100 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	01/29/2024 12:13	R342348
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/29/2024 12:13	R342348
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	01/29/2024 11:08	R342377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	01/30/2024 13:36	R342402
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/30/2024 12:55	R342388
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	01/30/2024 13:35	R342407
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	01/29/2024 17:37	217908
Magnesium	NELAP	0.006	0.050		**< 0.050**	mg/L	1	01/29/2024 17:37	217908
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/29/2024 17:37	217908
Sodium	NELAP	0.018	0.050	BJ	**0.043**	mg/L	1	01/29/2024 17:37	217908
Contamination present in the MBLK for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/06/2024 8:29	217908
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	02/05/2024 15:14	217908
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Chromium	NELAP	0.7	1.5	BJ	**0.9**	µg/L	5	02/05/2024 15:14	217908
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/05/2024 15:14	217908
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/05/2024 15:14	217908
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	02/06/2024 8:29	217908
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 21:11	217908
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/01/2024 21:11	217908
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/30/2024 8:26	217927

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-102 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.99**	ft	1	01/18/2024 13:35	R342563
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**22**	NTU	1	01/18/2024 13:35	R342563
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**67**	mV	1	01/18/2024 13:35	R342563
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3220**	µS/cm	1	01/18/2024 13:35	R342563
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**8.6**	°C	1	01/18/2024 13:35	R342563
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.71**	mg/L	1	01/18/2024 13:35	R342563
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	01/18/2024 13:35	R342563
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**610**	mg/L	1	01/19/2024 16:28	R342036
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/19/2024 16:28	R342036
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**5140**	mg/L	2.5	01/23/2024 11:02	R342154
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		**3180**	mg/L	100	01/23/2024 15:25	R342116
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	01/22/2024 9:39	R342042
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**116**	mg/L	5	01/23/2024 15:19	R342118
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**467**	mg/L	1	01/24/2024 9:39	217595
Magnesium	NELAP	0.006	0.050		**430**	mg/L	1	01/24/2024 9:39	217595
Potassium	NELAP	0.040	0.100		**6.89**	mg/L	1	01/24/2024 9:39	217595
Sodium	NELAP	0.018	0.050		**407**	mg/L	1	01/24/2024 9:39	217595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/30/2024 23:25	217595
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	01/24/2024 21:18	217595
Barium	NELAP	0.7	1.0		**12.8**	µg/L	5	01/30/2024 23:25	217595
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Boron	NELAP	9.2	25.0		**129**	µg/L	5	01/24/2024 21:18	217595
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Chromium	NELAP	1.0	1.5		**1.6**	µg/L	5	01/29/2024 19:54	217595
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	01/31/2024 20:38	217595
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Lithium	*	1.4	3.0		**121**	µg/L	5	01/24/2024 21:18	217595
Molybdenum	NELAP	0.6	1.5		**1.7**	µg/L	5	01/30/2024 23:25	217595
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/24/2024 21:18	217595
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/29/2024 19:54	217595

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-102 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

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	01/23/2024 8:33	217610

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-105 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 01/23/2024 15:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**3**	mg/L	1	01/24/2024 11:57	R342153
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/24/2024 11:57	R342153
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	01/24/2024 10:53	R342206
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	01/24/2024 14:43	R342183
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/24/2024 13:35	R342128
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	01/24/2024 14:44	R342184
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.089**	mg/L	1	01/25/2024 12:23	217740
Magnesium	NELAP	0.006	0.050	J	**0.024**	mg/L	1	01/25/2024 12:23	217740
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/25/2024 12:23	217740
Sodium	NELAP	0.018	0.050	J	**0.022**	mg/L	1	01/25/2024 12:23	217740
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 2:11	217740
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	02/01/2024 2:11	217740
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Chromium	NELAP	0.9	1.5	J	**1.1**	µg/L	5	01/31/2024 7:02	217740
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/01/2024 2:11	217740
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/01/2024 2:11	217740
Molybdenum	NELAP	1.3	1.5		**< 1.5**	µg/L	5	01/31/2024 7:02	217740
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/31/2024 7:02	217740
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/31/2024 7:02	217740
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/24/2024 15:10	217744

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-106 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 01/24/2024 14:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	01/25/2024 9:25	R342204
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/25/2024 9:25	R342204
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	01/25/2024 11:10	R342265
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	01/25/2024 14:24	R342249
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/25/2024 11:13	R342170
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	01/25/2024 14:24	R342251
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.059**	mg/L	1	01/26/2024 9:44	217822
Magnesium	NELAP	0.006	0.050	J	**0.025**	mg/L	1	01/26/2024 9:44	217822
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/26/2024 9:44	217822
Sodium	NELAP	0.018	0.050		**0.066**	mg/L	1	01/26/2024 9:44	217822
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	01/31/2024 19:01	217822
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Chromium	NELAP	0.7	1.5	J	**0.7**	µg/L	5	01/30/2024 19:58	217822
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	01/31/2024 19:01	217822
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	01/30/2024 19:58	217822
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	01/30/2024 19:58	217822
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	01/30/2024 19:58	217822
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/26/2024 11:41	217823

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

Lab ID: 24010247-107 **Client Sample ID:** Equipment Blank 3

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**5**	mg/L	1	01/29/2024 12:25	R342348
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	01/29/2024 12:25	R342348
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	J	**16**	mg/L	1	01/29/2024 11:09	R342377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**8**	mg/L	1	01/30/2024 14:26	R342402
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	01/30/2024 12:58	R342388
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	01/30/2024 14:26	R342407
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.040**	mg/L	1	01/29/2024 17:32	217908
Magnesium	NELAP	0.006	0.050	J	**0.009**	mg/L	1	01/29/2024 17:32	217908
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	01/29/2024 17:32	217908
Sodium	NELAP	0.018	0.050	BJ	**0.025**	mg/L	1	01/29/2024 17:32	217908
Contamination present in the MBLK for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Boron	NELAP	9.2	25.0		**< 25.0**	µg/L	5	02/01/2024 20:08	217908
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Chromium	NELAP	0.7	1.5	BJ	**0.8**	µg/L	5	02/05/2024 15:19	217908
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/01/2024 20:08	217908
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	02/06/2024 8:35	217908
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/01/2024 20:08	217908
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/01/2024 20:08	217908
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	01/30/2024 8:31	217927

Sample Summary

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010247
Report Date: 20-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24010247-005	APW02	Groundwater	4	01/18/2024 13:35
24010247-006	APW03	Groundwater	4	01/23/2024 13:04
24010247-007	APW04	Groundwater	4	01/23/2024 13:52
24010247-008	APW05	Groundwater	2	01/16/2024 12:22
24010247-009	APW05S	Groundwater	2	01/23/2024 9:24
24010247-010	APW06	Groundwater	3	01/23/2024 10:04
24010247-011	APW07	Groundwater	2	01/23/2024 11:29
24010247-012	APW08	Groundwater	2	01/18/2024 11:21
24010247-013	APW09	Groundwater	2	01/23/2024 12:23
24010247-014	APW10	Groundwater	2	01/23/2024 14:39
24010247-015	APW11	Groundwater	2	01/16/2024 10:37
24010247-016	APW12	Groundwater	2	01/16/2024 13:20
24010247-017	APW13	Groundwater	2	01/17/2024 13:34
24010247-018	APW14	Groundwater	2	01/17/2024 14:27
24010247-019	APW15	Groundwater	2	01/18/2024 10:14
24010247-020	APW16	Groundwater	2	01/17/2024 12:06
24010247-021	APW17	Groundwater	2	01/17/2024 10:25
24010247-022	APW18	Groundwater	2	01/16/2024 14:45
24010247-094	XPW01-pore	Groundwater	2	01/16/2024 14:21
24010247-095	XPW02-pore	Groundwater	2	01/16/2024 13:05
24010247-096	XPW03-pore	Groundwater	2	01/16/2024 12:12
24010247-097	XPW04-pore	Groundwater	2	01/16/2024 11:23
24010247-098	XSG01	Groundwater	1	01/15/2024 12:48
24010247-099	YSG02	Groundwater	1	01/15/2024 10:17
24010247-100	Field Blank	Aqueous	6	01/26/2024 10:15
24010247-102	APW02 Duplicate	Groundwater	4	01/18/2024 13:35
24010247-105	Equipment Blank 1	Aqueous	6	01/23/2024 15:21
24010247-106	Equipment Blank 2	Aqueous	6	01/24/2024 14:51
24010247-107	Equipment Blank 3	Aqueous	6	01/26/2024 10:20

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

STANDARD METHODS 2510 B FIELD

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.6	90	110	01/16/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-10

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	01/23/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.8	90	110	01/24/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-12

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	01/25/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-13

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.8	90	110	01/26/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-2

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	01/17/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-3

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	01/18/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-4

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	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

STANDARD METHODS 2510 B FIELD

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-5

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	01/24/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-6

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	01/25/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-7

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	01/16/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-8

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	01/17/2024

Batch R342563 **SampType:** LCS Units **µS/cm**
SampID: LCS-R342563-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1400**	1412	0	99.0	90	110	01/18/2024

SW-846 9040B FIELD

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	01/16/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-10

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	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9040B FIELD

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-11

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	01/24/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-12

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	01/25/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-13

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	01/26/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-2

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	01/17/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	01/18/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-4

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	01/23/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.10**	7.000	0	101.4	98.57	101.4	01/24/2024

Batch R342563 **SampType:** LCS Units
SampID: LCS-R342563-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9040B FIELD

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-7

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	01/16/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-8

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	01/17/2024

Batch R342563 **SampType:** LCS Units

SampID: LCS-R342563-9

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	01/18/2024

EPA 600 350.1 (DISSOLVED)

Batch R342034 **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, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	01/22/2024

Batch R342034 **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, Ammonia (as N)		0.10		**1.02**	1.000	0	102.4	90	110	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**

SampID: 24010247-062FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**24.1**	20.00	4.909	96.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24010247-062FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**24.1**	20.00	4.909	96.2	24.15	0.00	01/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

EPA 600 350.1 (DISSOLVED)

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011294-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**4.13**	4.000	1.119	75.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011294-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**4.11**	4.000	1.119	74.7	4.127	0.49	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011300-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0	97.4	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011300-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0	98.4	1.949	1.02	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011334-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0	98.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011334-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0	98.1	1.964	0.10	01/22/2024

Batch R342034 **SampType:** MS Units **mg/L**
SampID: 24011359-011EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.06500	90.2	90	110	01/22/2024

Batch R342034 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-011EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.06500	92.6	1.870	2.43	01/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

EPA 600 350.1 (DISSOLVED)

Batch R342157 **SampType:** MS Units **mg/L**
SampID: 24010247-059EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0.07300	94.4	90	110	01/24/2024

Batch R342157 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-059EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.07300	94.6	1.960	0.31	01/24/2024

Batch R342284 **SampType:** MS Units **mg/L**
SampID: 24010247-036EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0	96.2	90	110	01/26/2024

Batch R342284 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-036EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0	96.8	1.925	0.57	01/26/2024

Batch R342284 **SampType:** MS Units **mg/L**
SampID: 24010247-044EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.7	90	110	01/26/2024

Batch R342284 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-044EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0	95.5	1.934	1.25	01/26/2024

Batch R342284 **SampType:** MS Units **mg/L**
SampID: 24010247-092FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.39**	2.000	4.567	91.0	90	110	01/26/2024

Batch R342284 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-092FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.42**	2.000	4.567	92.8	6.386	0.59	01/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

EPA 600 350.1 (DISSOLVED)

Batch R342356 **SampType:** MS Units **mg/L**
SampID: 24011768-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.4	90	110	01/29/2024

Batch R342356 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011768-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0	96.2	1.929	0.26	01/29/2024

Batch R342356 **SampType:** MS Units **mg/L**
SampID: 24011814-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.6	90	110	01/29/2024

Batch R342356 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011814-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.6	1.872	1.01	01/29/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342029 **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	01/18/2024

Batch R342029 **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		**940**	1000	0	94.0	90	110	01/18/2024

Batch R342029 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-016ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1640**				1666	1.33	01/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342029 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011105-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**132**				132.0	0.00	01/18/2024

Batch R342053 **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	01/19/2024

Batch R342053 **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		**926**	1000	0	92.6	90	110	01/19/2024

Batch R342053 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011270-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**3270**				3190	2.42	01/19/2024

Batch R342098 **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	01/22/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	01/22/2024

Batch R342098 **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		**918**	1000	0	91.8	90	110	01/22/2024
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	01/22/2024

Batch R342098 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011359-013BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**740**				720.0	2.74	01/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342154 **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	01/23/2024

Batch R342154 **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		**958**	1000	0	95.8	90	110	01/23/2024

Batch R342154 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**5000**				5310	5.91	01/23/2024

Batch R342206 **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	01/24/2024

Batch R342206 **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		**970**	1000	0	97.0	90	110	01/24/2024

Batch R342206 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-059ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**830**				804.0	3.18	01/24/2024

Batch R342265 **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	01/25/2024

Batch R342265 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342265 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2130**				2124	0.28	01/25/2024

Batch R342316 **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	01/26/2024

Batch R342316 **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		**970**	1000	0	97.0	90	110	01/26/2024

Batch R342377 **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	01/29/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	01/29/2024

Batch R342377 **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		**944**	1000	0	94.4	90	110	01/29/2024

Batch R342377 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24010247-025ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**924**				910.0	1.53	01/29/2024

Batch R342436 **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	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342436 **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		**960**	1000	0	96.0	90	110	01/30/2024

Batch R342512 **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	01/31/2024

Batch R342512 **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		**966**	1000	0	96.6	90	110	01/31/2024

Batch R342697 **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	02/05/2024

Batch R342697 **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		**952**	1000	0	95.2	90	110	02/05/2024

Batch R342697 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020177-003BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**752**				762.0	1.32	02/05/2024

Batch R342760 **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	02/06/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R342760 **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		**936**	1000	0	93.6	90	110	02/06/2024
Total Dissolved Solids		20		**934**	1000	0	93.4	90	110	02/06/2024

Batch R342760 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24011852-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**608**				610.0	0.33	02/06/2024

Batch R342760 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24020221-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2940**				2932	0.20	02/06/2024

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

Batch R341969 **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	01/18/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	01/18/2024

Batch R341969 **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		**0.32**	0.3045	0	103.8	90	110	01/18/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.4	90	110	01/18/2024

Batch R341969 **SampType:** MS Units **mg/L**
SampID: 24011236-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**3.18**	2.500	0.3650	112.6	85	115	01/18/2024

Batch R341969 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011236-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**3.18**	2.500	0.3650	112.6	3.180	0.00	01/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R341969 **SampType:** MS Units **mg/L**
SampID: 24011262-001AMS

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	89.6	85	115	01/18/2024

Batch R341969 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011262-001AMSD

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	89.2	0.4480	0.45	01/18/2024

Batch R342028 **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	01/19/2024

Batch R342028 **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	100.2	90	110	01/19/2024

Batch R342028 **SampType:** MS Units **mg/L**
SampID: 24010247-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	106.0	85	115	01/19/2024

Batch R342028 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.55**	0.5000	0	109.2	0.5300	2.97	01/19/2024

Batch R342028 **SampType:** MS Units **mg/L**
SampID: 24010247-061BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.01500	108.2	85	115	01/19/2024

Batch R342028 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-061BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.56**	0.5000	0.01500	109.6	0.5560	1.25	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342028 **SampType:** MS Units **mg/L**
SampID: 24011359-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0.01000	104.8	85	115	01/19/2024

Batch R342028 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.58**	0.5000	0.01000	113.6	0.5340	7.91	01/19/2024

Batch R342176 **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	01/24/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	01/24/2024

Batch R342176 **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	99.8	90	110	01/24/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.8	90	110	01/24/2024

Batch R342176 **SampType:** MS Units **mg/L**
SampID: 24011540-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**2.26**	2.500	0	90.2	85	115	01/24/2024

Batch R342176 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011540-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**2.24**	2.500	0	89.6	2.255	0.67	01/24/2024

Batch R342176 **SampType:** MS Units **mg/L**
SampID: 24011541-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**3.70**	2.500	1.195	100.4	85	115	01/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342176 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011541-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**3.74**	2.500	1.195	102.0	3.705	1.07	01/24/2024

Batch R342233 **SampType:** MS Units **mg/L**
SampID: 24010247-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.009000	97.2	85	115	01/25/2024

Batch R342233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.009000	97.4	0.4950	0.20	01/25/2024

Batch R342233 **SampType:** MS Units **mg/L**
SampID: 24010247-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.63**	0.5000	0.1360	99.4	85	115	01/25/2024

Batch R342233 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.63**	0.5000	0.1360	98.8	0.6330	0.48	01/25/2024

Batch R342273 **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	01/26/2024

Batch R342273 **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		**0.31**	0.3045	0	100.8	90	110	01/26/2024

Batch R342273 **SampType:** MS Units **mg/L**
SampID: 24010247-093BMS

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	01/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342273 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-093BMSD

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	01/26/2024

Batch R342395 **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	01/30/2024

Batch R342395 **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	01/30/2024

Batch R342395 **SampType:** MS Units **mg/L**
SampID: 24010247-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.51**	0.5000	0	102.2	85	115	01/30/2024

Batch R342395 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.51**	0.5000	0	102.0	0.5110	0.20	01/30/2024

Batch R342395 **SampType:** MS Units **mg/L**
SampID: 24011772-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.53**	0.5000	0.008000	104.6	85	115	01/30/2024

Batch R342395 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011772-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.53**	0.5000	0.008000	104.2	0.5310	0.38	01/30/2024

Batch R342395 **SampType:** MS Units **mg/L**
SampID: 24011966-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**5.48**	2.500	2.910	102.6	85	115	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342395 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011966-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25	E	**5.48**	2.500	2.910	102.6	5.475	0.00	01/30/2024

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

Batch R342005 **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**						01/18/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/18/2024

Batch R342005 **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		**0.521**	0.5000	0	104.2	90	110	01/18/2024

Batch R342005 **SampType:** MS Units **mg/L**
SampID: 24011082-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**6.88**	5.000	1.941	98.9	90	110	01/18/2024

Batch R342005 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011082-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**6.99**	5.000	1.941	100.9	6.885	1.48	01/18/2024

Batch R342005 **SampType:** MS Units **mg/L**
SampID: 24011254-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**20.4**	5.000	15.37	100.1	90	110	01/18/2024

Batch R342005 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011254-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**20.2**	5.000	15.37	95.8	20.37	1.06	01/18/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342081 **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**						01/19/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/19/2024

Batch R342081 **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		**0.550**	0.5000	0	110.0	90	110	01/19/2024

Batch R342081 **SampType:** MS Units **mg/L**
SampID: 24010247-064BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.260**	0.2500	0.01800	96.8	85	115	01/19/2024

Batch R342081 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-064BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.265**	0.2500	0.01800	98.8	0.2600	1.90	01/19/2024

Batch R342081 **SampType:** MS Units **mg/L**
SampID: 24011359-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0	100.8	85	115	01/19/2024

Batch R342081 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0	101.6	0.2520	0.79	01/19/2024

Batch R342081 **SampType:** MS Units **mg/L**
SampID: 24011359-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.237**	0.2500	0	94.8	85	115	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342081 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.245**	0.2500	0	98.0	0.2370	3.32	01/19/2024

Batch R342193 **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**						01/24/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/24/2024

Batch R342193 **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		**0.526**	0.5000	0	105.2	90	110	01/24/2024

Batch R342193 **SampType:** MS Units **mg/L**
SampID: 24011342-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.50**	2.500	6.010	99.5	90	110	01/24/2024

Batch R342193 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011342-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.52**	2.500	6.010	100.3	8.497	0.25	01/24/2024

Batch R342193 **SampType:** MS Units **mg/L**
SampID: 24011444-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.64**	1.250	2.345	104.0	90	110	01/24/2024

Batch R342193 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011444-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.62**	1.250	2.345	102.1	3.645	0.66	01/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch R342193 **SampType:** MS Units **mg/L**
SampID: 24011541-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**23.6**	12.50	11.09	100.3	90	110	01/24/2024

Batch R342193 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011541-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**23.8**	12.50	11.09	102.0	23.63	0.89	01/24/2024

Batch R342275 **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**						01/25/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	01/25/2024

Batch R342275 **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		**0.482**	0.5000	0	96.4	90	110	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24010247-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.304**	0.2500	0.05300	100.4	85	115	01/25/2024

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.302**	0.2500	0.05300	99.6	0.3040	0.66	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24011559-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.17**	2.500	3.638	101.2	90	110	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011559-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.20**	2.500	3.638	102.4	6.168	0.49	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24011641-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.57**	1.250	1.302	101.8	90	110	01/25/2024

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011641-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.57**	1.250	1.302	101.4	2.574	0.16	01/25/2024

Batch R342275 **SampType:** MS Units **mg/L**
SampID: 24011703-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.87**	2.500	2.381	99.7	90	110	01/25/2024

Batch R342275 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011703-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.74**	2.500	2.381	94.4	4.873	2.75	01/25/2024

Batch R342306 **SampType:** MS Units **mg/L**
SampID: 24011814-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.87**	1.250	1.661	96.8	85	115	01/26/2024

Batch R342306 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011814-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.00**	1.250	1.661	106.7	2.871	4.23	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217587 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240119 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	01/22/2024

Batch 217587 **SampType:** LCS Units **mg/L**
SampID: LCS 240119 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.7	90	110	01/22/2024

Batch 217587 **SampType:** MS Units **mg/L**
SampID: 24011273-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.001820	103.1	90	110	01/22/2024

Batch 217587 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011273-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.001820	105.8	0.02760	2.42	01/22/2024

Batch 217608 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240122 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	01/23/2024

Batch 217608 **SampType:** LCS Units **mg/L**
SampID: LCS 240122 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	106.6	90	110	01/23/2024

Batch 217608 **SampType:** MS Units **mg/L**
SampID: 24011359-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.7	75	125	01/23/2024

Batch 217608 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011359-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.8	0.02593	2.94	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217608 **SampType:** MS Units **mg/L**
SampID: 24011359-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.1	75	125	01/23/2024

Batch 217608 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011359-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.3	0.02504	1.83	01/23/2024

Batch 217756 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240124 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	01/25/2024

Batch 217756 **SampType:** LCS Units **mg/L**
SampID: LCS 240124 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	109.9	90	110	01/25/2024

Batch 217756 **SampType:** MS Units **mg/L**
SampID: 24011488-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.5	90	110	01/25/2024

Batch 217756 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011488-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.3	0.02614	0.19	01/25/2024

Batch 217830 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240125 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	01/26/2024

Batch 217830 **SampType:** LCS Units **mg/L**
SampID: LCS 240125 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.4	90	110	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217830 **SampType:** MS Units **mg/L**
SampID: 24011609-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	E	**0.053**	0.0250	0.02614	108.2	90	110	01/26/2024

Batch 217830 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011609-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	E	**0.051**	0.0250	0.02614	100.3	0.05319	3.77	01/26/2024

Batch 217830 **SampType:** MS Units **mg/L**
SampID: 24011668-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.136**	0.1250	0.01475	96.8	90	110	01/26/2024

Batch 217830 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011668-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.136**	0.1250	0.01475	97.1	0.1357	0.26	01/26/2024

Batch 217891 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240126 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	01/29/2024

Batch 217891 **SampType:** LCS Units **mg/L**
SampID: LCS 240126 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.6	90	110	01/29/2024

Batch 217891 **SampType:** MS Units **mg/L**
SampID: 24011725-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0.01020	78.2	90	110	01/29/2024

Batch 217891 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011725-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.031**	0.0250	0.01020	84.0	0.02975	4.77	01/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9012A (TOTAL)

Batch 217891 **SampType:** MS Units **mg/L**
SampID: 24011740-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0.004810	90.6	90	110	01/29/2024

Batch 217891 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011740-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.004810	94.3	0.02747	3.24	01/29/2024

Batch 217975 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240129 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	01/30/2024

Batch 217975 **SampType:** LCS Units **mg/L**
SampID: LCS 240129 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	99.2	90	110	01/30/2024

Batch 217975 **SampType:** MS Units **mg/L**
SampID: 24011869-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.2	90	110	01/30/2024

Batch 217975 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011869-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.0	0.02606	1.16	01/30/2024

SW-846 9036 (DISSOLVED)

Batch R342020 **SampType:** MS Units **mg/L**
SampID: 24010247-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**19**	20.00	10.22	42.8	85	115	01/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (DISSOLVED)

Batch R342020 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**19**	20.00	10.22	46.3	18.78	3.61	01/19/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24010247-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**703**	400.0	333.8	92.3	85	115	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**743**	400.0	333.8	102.2	703.1	5.48	01/24/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24011359-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**978**	400.0	603.8	93.5	85	115	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011359-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**971**	400.0	603.8	91.8	977.7	0.71	01/24/2024

Batch R342249 **SampType:** MS Units **mg/L**
SampID: 24010247-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**200**	100.0	98.27	102.2	85	115	01/25/2024

Batch R342249 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**198**	100.0	98.27	99.7	200.5	1.25	01/25/2024

Batch R342249 **SampType:** MS Units **mg/L**
SampID: 24010247-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**1920**	1000	1014	91.0	85	115	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (DISSOLVED)

Batch R342249 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500		**1900**	1000	1014	88.3	1924	1.44	01/25/2024

Batch R342339 **SampType:** MS Units **mg/L**
SampID: 24010247-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**443**	200.0	265.4	88.8	85	115	01/29/2024

Batch R342339 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**454**	200.0	265.4	94.5	442.9	2.56	01/29/2024

Batch R342339 **SampType:** MS Units **mg/L**
SampID: 24010247-045BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		**1870**	1000	1005	86.9	85	115	01/29/2024

Batch R342339 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-045BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500		**1900**	1000	1005	89.4	1873	1.34	01/29/2024

Batch R342402 **SampType:** MS Units **mg/L**
SampID: 24010247-104BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**442**	200.0	256.7	92.8	85	115	01/30/2024

Batch R342402 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-104BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**441**	200.0	256.7	92.1	442.3	0.32	01/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9036 (TOTAL)

Batch R341983 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/18/2024

Batch R341983 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.0	90	110	01/18/2024

Batch R341983 **SampType:** MS Units **mg/L**
SampID: 24010247-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**467**	200.0	288.0	89.7	85	115	01/18/2024

Batch R341983 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**468**	200.0	288.0	89.8	467.4	0.03	01/18/2024

Batch R341983 **SampType:** MS Units **mg/L**
SampID: 24010247-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**82**	40.00	43.44	97.2	85	115	01/18/2024

Batch R341983 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**89**	40.00	43.44	114.2	82.30	7.97	01/18/2024

Batch R341983 **SampType:** MS Units **mg/L**
SampID: 24011234-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**836**	400.0	451.1	96.2	90	110	01/18/2024

Batch R341983 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011234-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**829**	400.0	451.1	94.5	835.7	0.80	01/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9036 (TOTAL)

Batch R342020 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/19/2024

Batch R342020 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.8	90	110	01/19/2024

Batch R342020 **SampType:** MS Units **mg/L**
SampID: 24010247-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**22**	20.00	9.270	62.0	85	115	01/19/2024

Batch R342020 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**22**	20.00	9.270	62.3	21.66	0.32	01/19/2024

Batch R342116 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/23/2024

Batch R342116 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.2	90	110	01/23/2024

Batch R342116 **SampType:** MS Units **mg/L**
SampID: 24010247-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**96**	40.00	58.71	92.3	85	115	01/23/2024

Batch R342116 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**98**	40.00	58.71	97.5	95.63	2.13	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9036 (TOTAL)

Batch R342183 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/24/2024

Batch R342183 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.0	90	110	01/24/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24010247-060AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**760**	400.0	402.7	89.3	85	115	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24010247-060AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**808**	400.0	402.7	101.4	759.9	6.19	01/24/2024

Batch R342183 **SampType:** MS Units **mg/L**
SampID: 24011488-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**29**	20.00	12.17	85.4	90	110	01/24/2024

Batch R342183 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011488-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**30**	20.00	12.17	89.6	29.26	2.76	01/24/2024

Batch R342249 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/25/2024

Batch R342249 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	92.8	90	110	01/25/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9036 (TOTAL)

Batch R342339 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/29/2024

Batch R342339 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.5	90	110	01/29/2024

Batch R342402 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	01/30/2024

Batch R342402 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.8	90	110	01/30/2024

Batch R342402 **SampType:** MS Units **mg/L**
SampID: 24011717-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**34**	20.00	15.57	90.3	90	110	01/30/2024

Batch R342402 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24011717-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**34**	20.00	15.57	92.6	33.63	1.36	01/30/2024

SW-846 9214 (DISSOLVED)

Batch R342170 **SampType:** MS Units **mg/L**
SampID: 24010247-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.1950	110.7	75	125	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (DISSOLVED)

Batch R342170 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.33**	2.000	0.1950	106.6	2.409	3.51	01/25/2024

Batch R342388 **SampType:** MS Units **mg/L**
SampID: 24010247-036BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.48**	2.000	0.3970	104.2	75	125	01/30/2024

Batch R342388 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-036BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.49**	2.000	0.3970	104.8	2.482	0.48	01/30/2024

Batch R342388 **SampType:** MS Units **mg/L**
SampID: 24010247-104BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2900	106.0	75	125	01/30/2024

Batch R342388 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-104BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.2900	101.3	2.411	4.02	01/30/2024

Batch R342388 **SampType:** MS Units **mg/L**
SampID: 24010247-107BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0	105.7	75	125	01/30/2024

Batch R342388 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-107BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0	106.8	2.114	0.99	01/30/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24020010-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.2920	102.9	75	125	02/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (DISSOLVED)

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24020010-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.2920	100.0	2.350	2.46	02/02/2024

SW-846 9214 (TOTAL)

Batch R341950 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/18/2024

Batch R341950 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.94**	1.000	0	94.2	90	110	01/18/2024

Batch R341950 **SampType:** MS Units **mg/L**

SampID: 24010247-096AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**18.7**	20.00	1.090	88.2	75	125	01/18/2024

Batch R341950 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24010247-096AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**19.7**	20.00	1.090	93.0	18.74	4.89	01/18/2024

Batch R342001 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/19/2024

Batch R342001 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.98**	1.000	0	97.6	90	110	01/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342001 **SampType:** MS Units **mg/L**
SampID: 24010247-056AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.36**	2.000	1.201	107.8	75	125	01/19/2024

Batch R342001 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-056AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.34**	2.000	1.201	107.0	3.358	0.51	01/19/2024

Batch R342042 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/22/2024

Batch R342042 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.03**	1.000	0	102.5	90	110	01/22/2024

Batch R342042 **SampType:** MS Units **mg/L**
SampID: 24010247-102AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.03**	2.000	0.2170	90.8	75	125	01/22/2024

Batch R342042 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-102AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.2170	97.8	2.032	6.75	01/22/2024

Batch R342128 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/23/2024

Batch R342128 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.91**	1.000	0	91.1	90	110	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342128 **SampType:** MS Units **mg/L**
SampID: 24010247-057AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.55**	2.000	0.7350	90.8	75	125	01/24/2024

Batch R342128 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-057AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.7350	93.6	2.551	2.13	01/24/2024

Batch R342128 **SampType:** MS Units **mg/L**
SampID: 24011488-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.05300	110.8	75	125	01/23/2024

Batch R342128 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011488-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.26**	2.000	0.05300	110.2	2.268	0.49	01/23/2024

Batch R342170 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/24/2024

Batch R342170 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.04**	1.000	0	104.5	90	110	01/24/2024

Batch R342170 **SampType:** MS Units **mg/L**
SampID: 24011561-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.5020	97.4	75	125	01/24/2024

Batch R342170 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011561-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.63**	2.000	0.5020	106.4	2.449	7.09	01/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342170 **SampType:** MS Units **mg/L**
SampID: 24011657-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.22**	2.000	0.9320	114.4	75	125	01/25/2024

Batch R342170 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011657-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.15**	2.000	0.9320	110.8	3.220	2.29	01/25/2024

Batch R342388 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	01/30/2024

Batch R342388 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.96**	1.000	0	96.4	90	110	01/30/2024

Batch R342565 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	02/01/2024

Batch R342565 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.95**	1.000	0	95.4	90	110	02/01/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010118-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.96**	2.000	0.07300	94.5	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010118-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0.07300	98.8	1.963	4.24	02/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010247-065AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**19.0**	20.00	1.280	88.8	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-065AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**18.3**	20.00	1.280	85.2	19.05	3.96	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3750	99.6	75	125	02/01/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3750	103.7	2.366	3.45	02/01/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.2960	107.2	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.2960	105.2	2.441	1.69	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3760	96.5	75	125	02/01/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3760	96.4	2.306	0.13	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9214 (TOTAL)

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.2790	100.3	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.2790	103.2	2.285	2.46	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-030AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.2690	104.6	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-030AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.2690	96.2	2.361	7.38	02/02/2024

Batch R342565 **SampType:** MS Units **mg/L**
SampID: 24010966-044AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.2200	103.4	75	125	02/02/2024

Batch R342565 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010966-044AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.2200	99.8	2.289	3.24	02/02/2024

SW-846 9251 (DISSOLVED)

Batch R342023 **SampType:** MS Units **mg/L**
SampID: 24010247-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**116**	40.00	80.52	88.1	85	115	01/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9251 (DISSOLVED)

Batch R342023 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**120**	40.00	80.52	99.4	115.8	3.82	01/19/2024

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24010247-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**108**	40.00	73.67	85.3	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**110**	40.00	73.67	92.0	107.8	2.43	01/23/2024

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24011359-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	12.01	91.1	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011359-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	12.01	91.0	30.23	0.07	01/23/2024

Batch R342251 **SampType:** MS Units **mg/L**
SampID: 24010247-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**173**	100.0	74.09	98.9	85	115	01/25/2024

Batch R342251 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**165**	100.0	74.09	90.5	173.0	4.97	01/25/2024

Batch R342251 **SampType:** MS Units **mg/L**
SampID: 24010247-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40	S	**359**	200.0	193.6	82.7	85	115	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 9251 (DISSOLVED)

Batch R342251 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40	S	**360**	200.0	193.6	83.2	359.1	0.26	01/25/2024

Batch R342343 **SampType:** MS Units **mg/L**
SampID: 24010247-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**85**	40.00	50.60	86.2	85	115	01/29/2024

Batch R342343 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**86**	40.00	50.60	87.3	85.06	0.55	01/29/2024

Batch R342407 **SampType:** MS Units **mg/L**
SampID: 24010247-045BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		400		**2720**	2000	846.6	93.7	85	115	01/30/2024

Batch R342407 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-045BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		400		**2720**	2000	846.6	93.9	2720	0.15	01/30/2024

Batch R342407 **SampType:** MS Units **mg/L**
SampID: 24010247-104BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**237**	200.0	45.14	95.9	85	115	01/30/2024

Batch R342407 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-104BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**236**	200.0	45.14	95.3	237.0	0.52	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9251 (TOTAL)

Batch R341985 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/18/2024

Batch R341985 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.1	90	110	01/18/2024

Batch R341985 **SampType:** MS Units **mg/L**
SampID: 24010247-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**41**	20.00	23.56	86.9	85	115	01/18/2024

Batch R341985 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**42**	20.00	23.56	92.0	40.94	2.48	01/18/2024

Batch R341985 **SampType:** MS Units **mg/L**
SampID: 24010247-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**42**	20.00	24.21	88.4	85	115	01/18/2024

Batch R341985 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**42**	20.00	24.21	89.8	41.88	0.69	01/18/2024

Batch R341985 **SampType:** MS Units **mg/L**
SampID: 24011234-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**643**	400.0	275.8	91.8	85	115	01/18/2024

Batch R341985 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011234-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**628**	400.0	275.8	88.0	642.9	2.39	01/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9251 (TOTAL)

Batch R342023 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/19/2024

Batch R342023 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**22**	20.00	0	108.2	90	110	01/19/2024

Batch R342023 **SampType:** MS Units **mg/L**
SampID: 24010247-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**104**	40.00	68.76	88.2	85	115	01/19/2024

Batch R342023 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**103**	40.00	68.76	85.0	104.0	1.24	01/19/2024

Batch R342118 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/23/2024

Batch R342118 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	107.0	90	110	01/23/2024

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24010247-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**93**	40.00	58.49	86.6	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**93**	40.00	58.49	86.4	93.15	0.13	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9251 (TOTAL)

Batch R342118 **SampType:** MS Units **mg/L**
SampID: 24010247-060AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**115**	40.00	73.91	103.4	85	115	01/23/2024

Batch R342118 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24010247-060AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**109**	40.00	73.91	88.6	115.3	5.28	01/23/2024

Batch R342184 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/24/2024

Batch R342184 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**22**	20.00	0	109.6	90	110	01/24/2024

Batch R342184 **SampType:** MS Units **mg/L**
SampID: 24011488-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0.9700	95.2	85	115	01/24/2024

Batch R342184 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011488-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	0.9700	95.4	20.02	0.20	01/24/2024

Batch R342251 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/25/2024

Batch R342251 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.0	90	110	01/25/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 9251 (TOTAL)

Batch R342343 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/29/2024

Batch R342343 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	01/29/2024

Batch R342343 **SampType:** MS Units **mg/L**
SampID: 24011515-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**626**	400.0	278.6	87.0	85	115	01/29/2024

Batch R342343 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011515-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80	S	**616**	400.0	278.6	84.3	626.5	1.69	01/29/2024

Batch R342343 **SampType:** MS Units **mg/L**
SampID: 24011717-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**61**	40.00	22.87	94.8	85	115	01/29/2024

Batch R342343 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24011717-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**61**	40.00	22.87	94.6	60.77	0.12	01/29/2024

Batch R342407 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	01/30/2024

Batch R342407 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.5	90	110	01/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 216527 **SampType:** MBLK Units **mg/L**
SampID: MBLK-216527

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	01/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/25/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Batch 216527 **SampType:** LCS Units **mg/L**
SampID: LCS-216527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.43**	2.500	0	97.0	85	115	01/25/2024
Magnesium		0.0500		**2.22**	2.500	0	88.9	85	115	01/25/2024
Potassium		0.100		**2.50**	2.500	0	100.2	85	115	01/25/2024
Sodium		0.0500		**2.32**	2.500	0	92.7	85	115	01/25/2024

Batch 216527 **SampType:** MS Units **mg/L**
SampID: 24010247-041CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**487**	2.500	490.9	-141.6	75	125	01/25/2024
Magnesium		0.050	S	**269**	2.500	270.0	-30.0	75	125	01/25/2024
Potassium		0.100		**7.30**	2.500	4.829	98.8	75	125	01/25/2024
Sodium		0.050	S	**150**	2.500	150.2	-2.4	75	125	01/25/2024

Batch 216527 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-041CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**487**	2.500	490.9	-157.2	487.4	0.08	01/25/2024
Magnesium		0.050	S	**269**	2.500	270.0	-47.1	269.3	0.16	01/25/2024
Potassium		0.100		**7.33**	2.500	4.829	99.9	7.299	0.39	01/25/2024
Sodium		0.050	S	**150**	2.500	150.2	-17.6	150.2	0.25	01/25/2024

Batch 217571 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217571

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	01/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217571 **SampType:** LCS Units **mg/L**
SampID: LCS-217571

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.46**	2.500	0	98.4	85	115	01/19/2024
Magnesium		0.0500		**2.25**	2.500	0	89.8	85	115	01/19/2024
Potassium		0.100		**2.46**	2.500	0	98.4	85	115	01/19/2024
Sodium		0.0500		**2.39**	2.500	0	95.6	85	115	01/19/2024

Batch 217616 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217616

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	01/23/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	01/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/23/2024

Batch 217616 **SampType:** LCS Units **mg/L**
SampID: LCS-217616

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.41**	2.500	0	96.2	85	115	01/23/2024
Magnesium		0.050		**2.28**	2.500	0	91.4	85	115	01/23/2024
Potassium		0.100		**2.55**	2.500	0	102.0	85	115	01/23/2024
Sodium		0.050	B	**2.42**	2.500	0	96.9	85	115	01/23/2024

Batch 217616 **SampType:** MS Units **mg/L**
SampID: 24010247-064CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**144**	2.500	144.5	-10.0	75	125	01/23/2024
Magnesium		0.050	S	**54.4**	2.500	53.00	54.4	75	125	01/23/2024
Potassium		0.100		**6.39**	2.500	3.895	99.7	75	125	01/23/2024
Sodium		0.050	BS	**143**	2.500	143.2	-22.0	75	125	01/23/2024

Batch 217616 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-064CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**143**	2.500	144.5	-58.0	144.3	0.84	01/23/2024
Magnesium		0.050	S	**54.0**	2.500	53.00	38.2	54.36	0.75	01/23/2024
Potassium		0.100		**6.34**	2.500	3.895	97.9	6.387	0.70	01/23/2024
Sodium		0.050	BS	**142**	2.500	143.2	-45.2	142.7	0.41	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217616 **SampType:** MS Units **mg/L**
SampID: 24011359-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**50.4**	2.500	48.80	62.8	75	125	01/23/2024

Batch 217616 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011359-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	**50.4**	2.500	48.80	66.1	50.37	0.17	01/23/2024

Batch 217751 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217751

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	01/25/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/25/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/25/2024

Batch 217751 **SampType:** LCS Units **mg/L**
SampID: LCS-217751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.37**	2.500	0	94.6	85	115	01/24/2024
Magnesium		0.0500		**2.17**	2.500	0	86.8	85	115	01/24/2024
Potassium		0.100		**2.52**	2.500	0	100.7	85	115	01/24/2024
Sodium		0.0500		**2.33**	2.500	0	93.4	85	115	01/24/2024

Batch 217878 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217878

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	01/29/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	01/26/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	01/26/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	01/29/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217878 **SampType:** LCS Units **mg/L**
SampID: LCS-217878

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.47**	2.500	0	98.7	85	115	01/29/2024
Calcium		0.100		**2.27**	2.500	0	91.0	85	115	01/26/2024
Iron		0.0400		**1.82**	2.000	0	91.2	85	115	01/26/2024
Magnesium		0.050		**2.22**	2.500	0	88.7	85	115	01/29/2024
Manganese		0.0070		**0.442**	0.5000	0	88.4	85	115	01/26/2024
Potassium		0.100		**2.43**	2.500	0	97.0	85	115	01/26/2024
Sodium		0.0500		**2.29**	2.500	0	91.8	85	115	01/26/2024

Batch 217878 **SampType:** MS Units **mg/L**
SampID: 24011713-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.83**	2.000	0	91.6	75	125	01/26/2024

Batch 217878 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011713-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.84**	2.000	0	91.9	1.833	0.29	01/26/2024

Batch 217878 **SampType:** MS Units **mg/L**
SampID: 24011763-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**4.15**	4.000	0.5600	89.8	75	125	01/26/2024
Manganese		0.0070		**0.861**	1.000	0.02260	83.8	75	125	01/26/2024

Batch 217878 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011763-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**4.18**	4.000	0.5600	90.5	4.150	0.72	01/26/2024
Manganese		0.0070		**0.872**	1.000	0.02260	84.9	0.8610	1.21	01/26/2024

Batch 217878 **SampType:** MS Units **mg/L**
SampID: 24011764-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**3.56**	4.000	0	89.0	75	125	01/26/2024
Manganese		0.0070		**1.24**	1.000	0.4214	81.5	75	125	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217878 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011764-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**3.59**	4.000	0	89.8	3.560	0.84	01/26/2024
Manganese		0.0070		**1.25**	1.000	0.4214	82.4	1.236	0.75	01/26/2024

Batch 217953 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217953

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	01/30/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/30/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/30/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/30/2024

Batch 217953 **SampType:** LCS Units **mg/L**
SampID: LCS-217953

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.38**	2.500	0	95.4	85	115	01/30/2024
Magnesium		0.0500		**2.21**	2.500	0	88.4	85	115	01/30/2024
Potassium		0.100		**2.51**	2.500	0	100.5	85	115	01/30/2024
Sodium		0.0500		**2.38**	2.500	0	95.1	85	115	01/30/2024

Batch 217953 **SampType:** MS Units **mg/L**
SampID: 24010247-104CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**129**	2.500	128.2	37.6	75	125	01/30/2024
Magnesium		0.050	S	**58.0**	2.500	56.47	62.9	75	125	01/30/2024
Potassium		0.100		**4.59**	2.500	2.045	101.8	75	125	01/30/2024
Sodium		0.050	S	**92.9**	2.500	89.35	142.8	75	125	01/30/2024

Batch 217953 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-104CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**130**	2.500	128.2	74.4	129.1	0.71	01/30/2024
Magnesium		0.050	S	**58.2**	2.500	56.47	70.0	58.04	0.31	01/30/2024
Potassium		0.100		**4.69**	2.500	2.045	105.6	4.590	2.08	01/30/2024
Sodium		0.050	S	**94.9**	2.500	89.35	222.4	92.92	2.12	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 218350 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	02/07/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	02/07/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	02/07/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/07/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/07/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	02/07/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	02/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/07/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	02/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/07/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/07/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	02/07/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	02/07/2024

Batch 218350 **SampType:** LCS Units **mg/L**
SampID: LCS-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.460**	0.5000	0	91.9	85	115	02/07/2024
Arsenic		0.0250		**0.491**	0.5000	0	98.2	85	115	02/07/2024
Boron		0.0200		**0.464**	0.5000	0	92.7	85	115	02/07/2024
Cadmium		0.0020		**0.0467**	0.0500	0	93.4	85	115	02/07/2024
Calcium		0.100		**2.44**	2.500	0	97.5	85	115	02/07/2024
Chromium		0.0050		**0.188**	0.2000	0	94.2	85	115	02/07/2024
Iron		0.0400		**1.92**	2.000	0	96.0	85	115	02/07/2024
Lead		0.0150		**0.480**	0.5000	0	96.0	85	115	02/07/2024
Magnesium		0.0500		**2.26**	2.500	0	90.4	85	115	02/07/2024
Manganese		0.0070		**0.482**	0.5000	0	96.3	85	115	02/07/2024
Potassium		0.100		**2.49**	2.500	0	99.5	85	115	02/07/2024
Selenium		0.0400		**0.466**	0.5000	0	93.2	85	115	02/07/2024
Sodium		0.0500		**2.36**	2.500	0	94.5	85	115	02/07/2024
Vanadium		0.0100		**0.475**	0.5000	0	95.0	85	115	02/07/2024
Zinc		0.0100		**0.470**	0.5000	0	94.0	85	115	02/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 218350 **SampType:** MS Units **mg/L**
SampID: 24020311-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**62.4**	2.500	60.54	72.4	75	125	02/07/2024
Magnesium		0.050		**26.2**	2.500	24.03	87.7	75	125	02/07/2024
Potassium		0.100		**3.44**	2.500	0.9776	98.4	75	125	02/07/2024
Sodium		0.050	S	**60.9**	2.500	59.67	47.6	75	125	02/07/2024

Batch 218350 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24020311-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**62.5**	2.500	60.54	76.8	62.35	0.18	02/07/2024
Magnesium		0.050		**26.1**	2.500	24.03	84.4	26.22	0.32	02/07/2024
Potassium		0.100		**3.38**	2.500	0.9776	96.3	3.437	1.53	02/07/2024
Sodium		0.050	S	**60.6**	2.500	59.67	35.6	60.86	0.49	02/07/2024

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

Batch 217484 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217484

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	01/18/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/18/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/18/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/18/2024

Batch 217484 **SampType:** LCS Units **mg/L**
SampID: LCS-217484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.69**	2.500	0	107.5	85	115	01/18/2024
Magnesium		0.0500		**2.50**	2.500	0	99.9	85	115	01/18/2024
Potassium		0.100		**2.71**	2.500	0	108.4	85	115	01/18/2024
Sodium		0.0500		**2.68**	2.500	0	107.3	85	115	01/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217566 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217566

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	01/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/19/2024

Batch 217566 **SampType:** LCS Units **mg/L**
SampID: LCS-217566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.58**	2.500	0	103.3	85	115	01/19/2024
Magnesium		0.0500		**2.35**	2.500	0	93.9	85	115	01/19/2024
Potassium		0.100		**2.58**	2.500	0	103.1	85	115	01/19/2024
Sodium		0.0500		**2.56**	2.500	0	102.4	85	115	01/19/2024

Batch 217566 **SampType:** MS Units **mg/L**
SampID: 24011270-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**273**	2.500	271.5	47.2	75	125	01/19/2024
Magnesium		0.0500		**97.9**	2.500	95.09	110.9	75	125	01/19/2024

Batch 217566 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011270-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**274**	2.500	271.5	118.0	272.6	0.65	01/19/2024
Magnesium		0.0500	S	**98.3**	2.500	95.09	126.8	97.86	0.41	01/19/2024

Batch 217595 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217595

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	01/24/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/24/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/24/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217595 **SampType:** LCS Units **mg/L**
SampID: LCS-217595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.51**	2.500	0	100.2	85	115	01/24/2024
Magnesium		0.0500		**2.30**	2.500	0	92.1	85	115	01/24/2024
Potassium		0.100		**2.62**	2.500	0	104.8	85	115	01/24/2024
Sodium		0.0500		**2.45**	2.500	0	97.9	85	115	01/24/2024

Batch 217595 **SampType:** MS Units **mg/L**
SampID: 24010247-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**92.5**	2.500	90.30	86.8	75	125	01/24/2024
Magnesium		0.050		**38.8**	2.500	36.59	87.0	75	125	01/24/2024
Potassium		0.100		**6.26**	2.500	3.466	111.8	75	125	01/24/2024
Sodium		0.050	S	**292**	2.500	291.5	20.8	75	125	01/24/2024

Batch 217595 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**94.3**	2.500	90.30	161.6	92.47	2.00	01/24/2024
Magnesium		0.050		**39.7**	2.500	36.59	124.0	38.76	2.36	01/24/2024
Potassium		0.100		**6.31**	2.500	3.466	113.9	6.261	0.81	01/24/2024
Sodium		0.050	S	**299**	2.500	291.5	285.6	292.0	2.24	01/24/2024

Batch 217740 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217740

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	01/25/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	01/25/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	01/25/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	01/25/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	01/25/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	01/25/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	01/25/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/25/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/25/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	01/25/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/25/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217740 **SampType:** LCS Units **mg/L**
SampID: LCS-217740

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.527**	0.5000	0	105.4	85	115	01/25/2024
Arsenic		0.0250		**0.537**	0.5000	0	107.4	85	115	01/25/2024
Boron		0.0200		**0.506**	0.5000	0	101.2	85	115	01/25/2024
Cadmium		0.0020		**0.0516**	0.0500	0	103.2	85	115	01/25/2024
Calcium		0.100		**2.66**	2.500	0	106.4	85	115	01/25/2024
Chromium		0.0050		**0.209**	0.2000	0	104.3	85	115	01/25/2024
Lead		0.0150		**0.516**	0.5000	0	103.3	85	115	01/25/2024
Magnesium		0.0500		**2.46**	2.500	0	98.5	85	115	01/25/2024
Potassium		0.100		**2.69**	2.500	0	107.6	85	115	01/25/2024
Selenium		0.0400		**0.510**	0.5000	0	101.9	85	115	01/25/2024
Sodium		0.0500		**2.59**	2.500	0	103.7	85	115	01/25/2024

Batch 217740 **SampType:** MS Units **mg/L**
SampID: 24010247-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**89.5**	2.500	85.83	148.4	75	125	01/25/2024
Magnesium		0.050		**36.8**	2.500	33.95	115.5	75	125	01/25/2024
Potassium		0.100		**5.41**	2.500	2.720	107.5	75	125	01/25/2024
Sodium		0.050	S	**89.1**	2.500	85.79	130.8	75	125	01/25/2024

Batch 217740 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**88.9**	2.500	85.83	124.4	89.54	0.67	01/25/2024
Magnesium		0.050		**36.6**	2.500	33.95	107.0	36.84	0.58	01/25/2024
Potassium		0.100		**5.40**	2.500	2.720	107.3	5.408	0.08	01/25/2024
Sodium		0.050		**88.7**	2.500	85.79	117.6	89.06	0.37	01/25/2024

Batch 217822 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217822

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	01/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217822 **SampType:** LCS Units **mg/L**
SampID: LCS-217822

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0	102.4	85	115	01/26/2024
Magnesium		0.0500		**2.35**	2.500	0	94.0	85	115	01/26/2024
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	01/26/2024
Sodium		0.0500		**2.52**	2.500	0	100.7	85	115	01/26/2024

Batch 217822 **SampType:** MS Units **mg/L**
SampID: 24010247-092CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**550**	2.500	537.6	486.8	75	125	01/26/2024
Magnesium		0.050	S	**284**	2.500	278.6	213.1	75	125	01/26/2024
Potassium		0.100		**9.06**	2.500	6.270	111.7	75	125	01/26/2024
Sodium		0.050	S	**175**	2.500	169.9	201.2	75	125	01/26/2024

Batch 217822 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-092CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**551**	2.500	537.6	550.0	549.7	0.29	01/26/2024
Magnesium		0.050	S	**284**	2.500	278.6	228.2	283.9	0.13	01/26/2024
Potassium		0.100		**9.06**	2.500	6.270	111.5	9.063	0.06	01/26/2024
Sodium		0.050	S	**174**	2.500	169.9	175.6	175.0	0.37	01/26/2024

Batch 217877 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217877

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	01/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	01/26/2024

Batch 217877 **SampType:** LCS Units **mg/L**
SampID: LCS-217877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0	102.3	85	115	01/26/2024
Magnesium		0.0500		**2.35**	2.500	0	94.2	85	115	01/26/2024
Potassium		0.100		**2.65**	2.500	0	106.0	85	115	01/26/2024
Sodium		0.0500		**2.53**	2.500	0	101.2	85	115	01/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217908 **SampType:** MBLK Units **mg/L**
SampID: MBLK-217908

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	01/29/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	01/29/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	01/29/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	01/29/2024
Sodium		0.0500	S	**0.0986**	0.0180	0	547.8	-100	100	01/29/2024

Batch 217908 **SampType:** LCS Units **mg/L**
SampID: LCS-217908

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.61**	2.500	0	104.4	85	115	01/29/2024
Chromium		0.0050		**0.202**	0.2000	0	101.0	85	115	01/29/2024
Magnesium		0.0500		**2.47**	2.500	0	98.9	85	115	01/29/2024
Potassium		0.100		**2.64**	2.500	0	105.7	85	115	01/29/2024
Sodium		0.0500	B	**2.58**	2.500	0	103.4	85	115	01/29/2024

Batch 217908 **SampType:** MS Units **mg/L**
SampID: 24010247-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0.04000	101.0	75	125	01/29/2024
Magnesium		0.050		**2.43**	2.500	0.008800	97.0	75	125	01/29/2024
Potassium		0.100		**2.57**	2.500	0	102.9	75	125	01/29/2024
Sodium		0.050	B	**2.53**	2.500	0.02510	100.1	75	125	01/29/2024

Batch 217908 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24010247-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.61**	2.500	0.04000	102.8	2.564	1.73	01/29/2024
Magnesium		0.050		**2.46**	2.500	0.008800	98.1	2.433	1.20	01/29/2024
Potassium		0.100		**2.61**	2.500	0	104.4	2.573	1.44	01/29/2024
Sodium		0.050	B	**2.56**	2.500	0.02510	101.3	2.527	1.17	01/29/2024

Batch 217908 **SampType:** MS Units **mg/L**
SampID: 24011794-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0050		**0.398**	0.2000	0.1989	99.6	75	125	01/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217908 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24011794-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium		0.0050		**0.389**	0.2000	0.1989	95.2	0.3980	2.21	01/29/2024

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

Batch 216527 **SampType:** MBLK Units **µg/L**
SampID: MBLK-216527

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	01/31/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/31/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/31/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/31/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	01/31/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	01/31/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/31/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/31/2024

Batch 216527 **SampType:** LCS Units **µg/L**
SampID: LCS-216527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**439**	500.0	0	87.8	80	120	01/31/2024
Arsenic		1.0		**456**	500.0	0	91.1	80	120	01/31/2024
Boron		25.0		**428**	500.0	0	85.5	80	120	01/31/2024
Cadmium		1.0		**43.6**	50.00	0	87.1	80	120	01/31/2024
Chromium		1.5		**174**	200.0	0	87.1	80	120	01/31/2024
Iron		25.0		**1790**	2000	0	89.4	80	120	01/31/2024
Lead		1.0		**435**	500.0	0	87.0	80	120	01/31/2024
Manganese		2.0		**422**	500.0	0	84.3	80	120	01/31/2024
Selenium		1.0		**429**	500.0	0	85.9	80	120	01/31/2024
Vanadium		5.0		**430**	500.0	0	86.0	80	120	02/05/2024
Zinc		15.0		**435**	500.0	0	87.0	80	120	01/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 216527 **SampType:** MS Units **µg/L**

SampID: 24010247-041CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**463**	500.0	0	92.7	75	125	01/31/2024
Boron		25.0		**557**	500.0	119.4	87.4	75	125	01/31/2024
Cadmium		1.0		**44.2**	50.00	0	88.4	75	125	01/31/2024
Chromium		1.5		**186**	200.0	15.79	85.2	75	125	01/31/2024
Iron		25.0		**1790**	2000	19.72	88.5	75	125	01/31/2024
Lead		1.0		**449**	500.0	0	89.9	75	125	01/31/2024
Manganese		2.0		**433**	500.0	2.017	86.2	75	125	01/31/2024
Selenium		1.0		**418**	500.0	0	83.6	75	125	01/31/2024
Zinc		15.0		**407**	500.0	0	81.4	75	125	01/31/2024

Batch 216527 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24010247-041CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**478**	500.0	0	95.7	463.4	3.17	01/31/2024
Boron		25.0		**545**	500.0	119.4	85.1	556.6	2.08	01/31/2024
Cadmium		1.0		**43.7**	50.00	0	87.3	44.19	1.20	01/31/2024
Chromium		1.5		**189**	200.0	15.79	86.4	186.3	1.26	01/31/2024
Iron		25.0		**1830**	2000	19.72	90.6	1790	2.30	01/31/2024
Lead		1.0		**443**	500.0	0	88.6	449.3	1.39	01/31/2024
Manganese		2.0		**437**	500.0	2.017	87.0	432.9	0.98	01/31/2024
Selenium		1.0		**430**	500.0	0	85.9	418.0	2.72	01/31/2024
Zinc		15.0		**415**	500.0	0	83.0	407.2	1.83	01/31/2024

Batch 217571 **SampType:** MBLK Units **µg/L**

SampID: MBLK-217571

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	01/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/29/2024
Lead		1.0	S	**5.0**	0.6000	0	830.6	-100	100	01/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217571 **SampType:** LCS Units µg/L
SampID: LCS-217571

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**476**	500.0	0	95.3	80	120	01/23/2024
Arsenic		1.0		**472**	500.0	0	94.4	80	120	01/23/2024
Boron		25.0		**445**	500.0	0	89.0	80	120	01/24/2024
Cadmium		1.0		**47.4**	50.00	0	94.8	80	120	01/23/2024
Chromium		1.5		**173**	200.0	0	86.7	80	120	01/29/2024
Lead		1.0	B	**461**	500.0	0	92.2	80	120	01/23/2024
Selenium		1.0		**456**	500.0	0	91.2	80	120	01/23/2024
Zinc		15.0		**441**	500.0	0	88.2	80	120	01/30/2024

Batch 217616 **SampType:** MBLK Units µg/L
SampID: MBLK-217616

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	01/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	01/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/30/2024

Batch 217616 **SampType:** LCS Units µg/L
SampID: LCS-217616

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.6	80	120	01/23/2024
Arsenic		1.0		**475**	500.0	0	95.1	80	120	01/23/2024
Boron		25.0		**471**	500.0	0	94.1	80	120	01/23/2024
Cadmium		1.0		**46.9**	50.00	0	93.8	80	120	01/23/2024
Chromium		1.5		**182**	200.0	0	90.9	80	120	01/23/2024
Lead		1.0		**435**	500.0	0	86.9	80	120	01/23/2024
Manganese		2.0		**468**	500.0	0	93.6	80	120	01/23/2024
Selenium		1.0		**454**	500.0	0	90.7	80	120	01/23/2024
Vanadium		5.0		**447**	500.0	0	89.4	80	120	01/30/2024
Zinc		15.0		**451**	500.0	0	90.2	80	120	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217616 **SampType:** MS Units µg/L
SampID: 24010247-064CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**490**	500.0	0	97.9	75	125	01/23/2024
Arsenic		1.0		**476**	500.0	7.376	93.8	75	125	01/23/2024
Boron		25.0		**603**	500.0	164.5	87.6	75	125	01/23/2024
Cadmium		1.0		**46.4**	50.00	0	92.8	75	125	01/23/2024
Chromium		1.5		**170**	200.0	1.170	84.3	75	125	01/29/2024
Lead		1.0		**499**	500.0	2.350	99.4	75	125	01/23/2024
Selenium		1.0		**462**	500.0	0	92.3	75	125	01/23/2024
Vanadium		5.0		**441**	500.0	0	88.1	75	125	01/30/2024

Batch 217616 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24010247-064CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**486**	500.0	0	97.2	489.7	0.72	01/23/2024
Arsenic		1.0		**474**	500.0	7.376	93.3	476.2	0.52	01/23/2024
Boron		25.0		**604**	500.0	164.5	87.9	602.7	0.20	01/23/2024
Cadmium		1.0		**45.1**	50.00	0	90.3	46.39	2.77	01/23/2024
Chromium		1.5		**175**	200.0	1.170	86.7	169.7	2.87	01/29/2024
Lead		1.0		**453**	500.0	2.350	90.1	499.1	9.75	01/23/2024
Selenium		1.0		**449**	500.0	0	89.9	461.5	2.67	01/23/2024
Vanadium		5.0		**436**	500.0	0	87.1	440.6	1.14	01/30/2024

Batch 217616 **SampType:** MS Units µg/L
SampID: 24011359-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**466**	500.0	0	93.1	75	125	01/23/2024
Lead		1.0		**457**	500.0	0	91.4	75	125	01/23/2024

Batch 217616 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24011359-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**470**	500.0	0	94.0	465.7	0.90	01/23/2024
Lead		1.0		**433**	500.0	0	86.7	457.0	5.30	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217751 **SampType:** MBLK Units **µg/L**
SampID: MBLK-217751

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	01/30/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/30/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/30/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	01/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/30/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	01/30/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	01/30/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	01/30/2024

Batch 217751 **SampType:** LCS Units **µg/L**
SampID: LCS-217751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**435**	500.0	0	87.0	80	120	01/30/2024
Boron		25.0		**436**	500.0	0	87.3	80	120	01/31/2024
Cadmium		1.0		**43.9**	50.00	0	87.9	80	120	01/30/2024
Chromium		1.5		**175**	200.0	0	87.5	80	120	01/30/2024
Iron		25.0		**1850**	2000	0	92.3	80	120	01/30/2024
Lead		1.0		**436**	500.0	0	87.2	80	120	01/30/2024
Manganese		2.0		**440**	500.0	0	87.9	80	120	01/30/2024
Vanadium		5.0		**447**	500.0	0	89.4	80	120	01/30/2024
Zinc		15.0		**452**	500.0	0	90.5	80	120	01/30/2024

Batch 217878 **SampType:** MBLK Units **µg/L**
SampID: MBLK-217878

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/05/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217878 **SampType:** LCS Units µg/L

SampID: LCS-217878

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**468**	500.0	0	93.6	80	120	02/01/2024
Boron		25.0		**433**	500.0	0	86.6	80	120	02/01/2024
Cadmium		1.0		**43.6**	50.00	0	87.2	80	120	02/01/2024
Chromium		1.5		**172**	200.0	0	85.8	80	120	02/05/2024
Iron		25.0		**1890**	2000	0	94.5	80	120	02/01/2024
Lead		1.0		**447**	500.0	0	89.3	80	120	02/01/2024
Manganese		2.0		**450**	500.0	0	90.0	80	120	02/01/2024
Selenium		1.0		**457**	500.0	0	91.5	80	120	02/01/2024
Zinc		15.0		**441**	500.0	0	88.2	80	120	02/01/2024

Batch 217953 **SampType:** MBLK Units µg/L

SampID: MBLK-217953

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	02/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/05/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217953 **SampType:** LCS Units **µg/L**

SampID: LCS-217953

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**423**	500.0	0	84.5	80	120	02/01/2024
Arsenic		1.0		**466**	500.0	0	93.2	80	120	02/01/2024
Boron		25.0		**423**	500.0	0	84.6	80	120	02/01/2024
Cadmium		1.0		**42.9**	50.00	0	85.9	80	120	02/01/2024
Chromium		1.5		**171**	200.0	0	85.4	80	120	02/05/2024
Iron		25.0		**1870**	2000	0	93.4	80	120	02/01/2024
Lead		1.0		**440**	500.0	0	88.0	80	120	02/01/2024
Manganese		2.0		**452**	500.0	0	90.3	80	120	02/01/2024
Selenium		1.0		**428**	500.0	0	85.7	80	120	02/01/2024
Vanadium		5.0		**419**	500.0	0	83.9	80	120	02/05/2024
Zinc		15.0		**432**	500.0	0	86.4	80	120	02/05/2024

Batch 217953 **SampType:** MS Units **µg/L**

SampID: 24010247-104CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**452**	500.0	0	90.5	75	125	02/05/2024
Boron		25.0		**523**	500.0	68.44	91.0	75	125	02/01/2024
Cadmium		1.0		**41.9**	50.00	0	83.7	75	125	02/01/2024
Chromium		1.5		**166**	200.0	1.185	82.6	75	125	02/05/2024
Iron		25.0		**1790**	2000	0	89.7	75	125	02/01/2024
Lead		1.0		**443**	500.0	0	88.5	75	125	02/01/2024
Manganese		2.0		**449**	500.0	0.7612	89.6	75	125	02/01/2024
Selenium		1.0		**433**	500.0	0	86.6	75	125	02/01/2024
Zinc		15.0		**439**	500.0	27.65	82.2	75	125	02/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217953 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24010247-104CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**465**	500.0	0	93.0	452.5	2.73	02/05/2024
Boron		25.0		**543**	500.0	68.44	95.0	523.2	3.75	02/01/2024
Cadmium		1.0		**41.8**	50.00	0	83.7	41.86	0.03	02/01/2024
Chromium		1.5		**153**	200.0	1.185	75.8	166.3	8.55	02/05/2024
Iron		25.0		**1870**	2000	0	93.5	1795	4.09	02/01/2024
Lead		1.0		**444**	500.0	0	88.9	442.7	0.39	02/01/2024
Manganese		2.0		**453**	500.0	0.7612	90.5	448.9	1.00	02/01/2024
Selenium		1.0		**433**	500.0	0	86.5	432.8	0.02	02/01/2024
Zinc		15.0		**446**	500.0	27.65	83.7	438.9	1.67	02/05/2024

Batch 218350 **SampType:** MBLK Units µg/L

SampID: MBLK-218350

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	02/07/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/09/2024

Batch 218350 **SampType:** LCS Units µg/L

SampID: LCS-218350

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**472**	500.0	0	94.5	80	120	02/07/2024
Arsenic		1.0		**493**	500.0	0	98.7	80	120	02/09/2024
Boron		25.0		**433**	500.0	0	86.6	80	120	02/09/2024
Chromium		1.5		**190**	200.0	0	94.8	80	120	02/09/2024
Lead		1.0		**524**	500.0	0	104.8	80	120	02/07/2024
Manganese		2.0		**477**	500.0	0	95.4	80	120	02/09/2024
Selenium		1.0		**490**	500.0	0	98.0	80	120	02/09/2024
Zinc		15.0		**472**	500.0	0	94.3	80	120	02/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 218350 **SampType:** MS Units µg/L
SampID: 24020311-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**471**	500.0	0	94.1	75	125	02/09/2024
Arsenic		1.0		**498**	500.0	22.42	95.1	75	125	02/09/2024
Lead		1.0		**595**	500.0	0	119.0	75	125	02/07/2024
Selenium		1.0		**471**	500.0	0	94.2	75	125	02/09/2024

Batch 218350 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24020311-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.7	470.6	1.64	02/09/2024
Arsenic		1.0		**498**	500.0	22.42	95.1	497.8	0.06	02/09/2024
Lead		1.0		**559**	500.0	0	111.8	594.8	6.20	02/07/2024
Selenium		1.0		**478**	500.0	0	95.5	470.9	1.40	02/09/2024

Batch 218350 **SampType:** DUP Units µg/L RPD Limit **20**
SampID: 24010247-064CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Zinc		15.0		**< 15.0**				0	0.00	02/09/2024

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

Batch 217484 **SampType:** MBLK Units µg/L
SampID: MBLK-217484

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	01/19/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/19/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/31/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/19/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217484 **SampType:** LCS Units µg/L
SampID: LCS-217484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**456**	500.0	0	91.1	80	120	01/19/2024
Arsenic		1.0		**518**	500.0	0	103.7	80	120	01/23/2024
Barium		1.0		**2050**	2000	0	102.4	80	120	01/23/2024
Cadmium		1.0		**51.1**	50.00	0	102.2	80	120	01/23/2024
Chromium		1.5		**201**	200.0	0	100.5	80	120	01/23/2024
Cobalt		1.0		**465**	500.0	0	93.1	80	120	01/19/2024
Lead		1.0		**508**	500.0	0	101.5	80	120	01/23/2024
Molybdenum		1.5		**473**	500.0	0	94.6	80	120	01/31/2024
Selenium		1.0		**486**	500.0	0	97.2	80	120	01/19/2024
Thallium		2.0		**216**	250.0	0	86.5	80	120	01/19/2024

Batch 217566 **SampType:** MBLK Units µg/L
SampID: MBLK-217566

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	01/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/29/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/30/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217566 **SampType:** LCS Units µg/L

SampID: LCS-217566

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**522**	500.0	0	104.4	80	120	01/23/2024
Arsenic		1.0		**502**	500.0	0	100.4	80	120	01/23/2024
Barium		1.0		**2020**	2000	0	101.1	80	120	01/23/2024
Beryllium		1.0		**49.9**	50.00	0	99.7	80	120	01/23/2024
Boron		25.0		**489**	500.0	0	97.8	80	120	01/24/2024
Cadmium		1.0		**50.4**	50.00	0	100.7	80	120	01/23/2024
Chromium		1.5		**191**	200.0	0	95.6	80	120	01/29/2024
Cobalt		1.0		**484**	500.0	0	96.8	80	120	01/23/2024
Lead		1.0		**491**	500.0	0	98.1	80	120	01/23/2024
Lithium	*	3.0		**500**	500.0	0	100.0	80	120	01/23/2024
Molybdenum		1.5		**465**	500.0	0	93.0	80	120	01/30/2024
Selenium		1.0		**483**	500.0	0	96.6	80	120	01/23/2024
Thallium		2.0		**207**	250.0	0	82.8	80	120	01/23/2024

Batch 217595 **SampType:** MBLK Units µg/L

SampID: MBLK-217595

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	01/30/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/24/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/24/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/24/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/24/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/24/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/24/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/30/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/24/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217595 **SampType:** LCS Units µg/L

SampID: LCS-217595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**542**	500.0	0	108.4	80	120	01/30/2024
Arsenic		1.0		**462**	500.0	0	92.3	80	120	01/24/2024
Barium		1.0		**2110**	2000	0	105.5	80	120	01/30/2024
Beryllium		1.0		**46.4**	50.00	0	92.8	80	120	01/24/2024
Boron		25.0		**456**	500.0	0	91.1	80	120	01/24/2024
Cadmium		1.0		**43.8**	50.00	0	87.7	80	120	01/24/2024
Chromium		1.5		**200**	200.0	0	100.1	80	120	01/29/2024
Cobalt		1.0		**455**	500.0	0	90.9	80	120	01/31/2024
Lead		1.0		**461**	500.0	0	92.2	80	120	01/24/2024
Lithium	*	3.0		**462**	500.0	0	92.3	80	120	01/24/2024
Molybdenum		1.5		**495**	500.0	0	99.0	80	120	01/30/2024
Selenium		1.0		**432**	500.0	0	86.5	80	120	01/24/2024
Thallium		2.0		**250**	250.0	0	100.2	80	120	01/29/2024

Batch 217595 **SampType:** MS Units µg/L

SampID: 24010247-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**540**	500.0	0	108.0	75	125	01/30/2024
Arsenic		1.0		**506**	500.0	28.09	95.6	75	125	01/24/2024
Barium		1.0		**2720**	2000	618.6	105.0	75	125	01/30/2024
Beryllium		1.0		**47.4**	50.00	0	94.8	75	125	01/24/2024
Boron		25.0		**569**	500.0	126.1	88.6	75	125	01/24/2024
Cadmium		1.0		**43.3**	50.00	0	86.7	75	125	01/24/2024
Chromium		1.5		**204**	200.0	5.279	99.6	75	125	01/29/2024
Cobalt		1.0		**469**	500.0	1.651	93.5	75	125	02/01/2024
Lead		1.0		**479**	500.0	2.253	95.4	75	125	01/24/2024
Lithium	*	3.0		**453**	500.0	7.573	89.1	75	125	01/24/2024
Molybdenum		1.5		**510**	500.0	5.349	100.9	75	125	01/30/2024
Selenium		1.0		**441**	500.0	0	88.1	75	125	01/24/2024
Thallium		2.0		**209**	250.0	0	83.4	75	125	01/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217595 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 24010247-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**557**	500.0	0	111.5	540.1	3.15	01/30/2024
Arsenic		1.0		**529**	500.0	28.09	100.1	506.2	4.35	01/24/2024
Barium		1.0		**2800**	2000	618.6	109.3	2720	3.08	01/30/2024
Beryllium		1.0		**49.4**	50.00	0	98.7	47.42	3.99	01/24/2024
Boron		25.0		**600**	500.0	126.1	94.8	569.2	5.29	01/24/2024
Cadmium		1.0		**44.3**	50.00	0	88.6	43.35	2.16	01/24/2024
Chromium		1.5		**206**	200.0	5.279	100.3	204.4	0.69	01/29/2024
Cobalt		1.0		**457**	500.0	1.651	91.1	469.3	2.58	02/01/2024
Lead		1.0		**499**	500.0	2.253	99.4	479.0	4.09	01/24/2024
Lithium	*	3.0		**471**	500.0	7.573	92.7	453.3	3.86	01/24/2024
Molybdenum		1.5		**546**	500.0	5.349	108.1	509.6	6.86	01/30/2024
Selenium		1.0		**455**	500.0	0	90.9	440.6	3.15	01/24/2024
Thallium		2.0		**229**	250.0	0	91.5	208.5	9.26	01/30/2024

Batch 217740 **SampType:** MBLK Units µg/L
SampID: MBLK-217740

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	01/31/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/31/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/31/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/31/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/31/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/31/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/31/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/31/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/31/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/31/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217740 **SampType:** LCS Units µg/L
SampID: LCS-217740

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**510**	500.0	0	102.0	80	120	01/31/2024
Arsenic		1.0		**511**	500.0	0	102.1	80	120	01/31/2024
Barium		1.0		**1940**	2000	0	97.2	80	120	01/31/2024
Beryllium		1.0		**52.1**	50.00	0	104.2	80	120	01/31/2024
Boron		25.0		**505**	500.0	0	101.0	80	120	01/31/2024
Cadmium		1.0		**49.0**	50.00	0	97.9	80	120	01/31/2024
Chromium		1.5		**204**	200.0	0	101.8	80	120	01/31/2024
Cobalt		1.0		**485**	500.0	0	96.9	80	120	01/31/2024
Lead		1.0		**477**	500.0	0	95.3	80	120	01/31/2024
Lithium	*	3.0		**512**	500.0	0	102.4	80	120	01/31/2024
Molybdenum		1.5		**476**	500.0	0	95.2	80	120	01/31/2024
Selenium		1.0		**468**	500.0	0	93.7	80	120	01/31/2024
Thallium		2.0		**208**	250.0	0	83.2	80	120	01/31/2024

Batch 217740 **SampType:** MS Units µg/L
SampID: 24010247-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**499**	500.0	0.8872	99.5	75	125	01/31/2024
Arsenic		1.0		**518**	500.0	1.774	103.3	75	125	01/31/2024
Barium		1.0		**2260**	2000	317.6	97.3	75	125	01/31/2024
Beryllium		1.0		**52.8**	50.00	0	105.6	75	125	01/31/2024
Boron		25.0		**604**	500.0	89.05	103.0	75	125	01/31/2024
Cadmium		1.0		**47.4**	50.00	0	94.8	75	125	01/31/2024
Chromium		1.5		**184**	200.0	3.135	90.4	75	125	01/31/2024
Cobalt		1.0		**453**	500.0	0.1918	90.6	75	125	01/31/2024
Lead		1.0		**473**	500.0	0	94.6	75	125	01/31/2024
Lithium	*	3.0		**505**	500.0	4.168	100.1	75	125	01/31/2024
Molybdenum		1.5		**452**	500.0	10.14	88.4	75	125	02/05/2024
Selenium		1.0		**492**	500.0	0	98.4	75	125	01/31/2024
Thallium		2.0		**218**	250.0	0	87.1	75	125	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217740 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24010247-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**487**	500.0	0.8872	97.3	498.5	2.25	02/01/2024
Arsenic		1.0		**518**	500.0	1.774	103.2	518.4	0.08	02/01/2024
Barium		1.0		**2260**	2000	317.6	96.9	2264	0.34	02/01/2024
Beryllium		1.0		**53.2**	50.00	0	106.4	52.81	0.74	02/01/2024
Boron		25.0		**573**	500.0	89.05	96.9	604.1	5.20	02/01/2024
Cadmium		1.0		**46.3**	50.00	0	92.5	47.42	2.47	02/01/2024
Chromium		1.5		**186**	200.0	3.135	91.6	183.9	1.27	02/01/2024
Cobalt		1.0		**459**	500.0	0.1918	91.8	453.1	1.33	02/01/2024
Lead		1.0		**488**	500.0	0	97.6	473.1	3.14	02/01/2024
Lithium	*	3.0		**502**	500.0	4.168	99.6	504.8	0.55	02/01/2024
Molybdenum		1.5		**439**	500.0	10.14	85.9	452.2	2.88	02/05/2024
Selenium		1.0		**491**	500.0	0	98.2	492.2	0.24	02/01/2024
Thallium		2.0		**243**	250.0	0	97.3	217.7	11.10	02/01/2024

Batch 217822 **SampType:** MBLK Units µg/L

SampID: MBLK-217822

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	01/30/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	01/30/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	01/30/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	01/30/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	01/31/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	01/30/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	01/30/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	01/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	01/30/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	01/31/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	01/30/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	01/30/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	01/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217822 **SampType:** LCS Units µg/L
SampID: LCS-217822

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**500**	500.0	0	99.9	80	120	01/30/2024
Arsenic		1.0		**511**	500.0	0	102.2	80	120	01/30/2024
Barium		1.0		**1940**	2000	0	97.1	80	120	01/30/2024
Beryllium		1.0		**46.9**	50.00	0	93.9	80	120	01/30/2024
Boron		25.0		**485**	500.0	0	96.9	80	120	01/31/2024
Cadmium		1.0		**47.4**	50.00	0	94.7	80	120	01/30/2024
Chromium		1.5		**192**	200.0	0	95.9	80	120	01/30/2024
Cobalt		1.0		**471**	500.0	0	94.1	80	120	01/30/2024
Lead		1.0		**479**	500.0	0	95.7	80	120	01/30/2024
Lithium	*	3.0		**473**	500.0	0	94.5	80	120	01/31/2024
Molybdenum		1.5		**468**	500.0	0	93.6	80	120	01/30/2024
Selenium		1.0		**478**	500.0	0	95.6	80	120	01/30/2024
Thallium		2.0		**222**	250.0	0	88.7	80	120	01/30/2024

Batch 217822 **SampType:** MS Units µg/L
SampID: 24010247-092CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**649**	500.0	181.8	93.5	75	125	01/31/2024

Batch 217822 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24010247-092CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**654**	500.0	181.8	94.4	649.2	0.67	01/31/2024

Batch 217877 **SampType:** MBLK Units µg/L
SampID: MBLK-217877

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	02/01/2024

Batch 217877 **SampType:** LCS Units µg/L
SampID: LCS-217877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**500**	500.0	0	100.0	80	120	02/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 217908 **SampType:** MBLK Units µg/L
SampID: MBLK-217908

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	02/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/01/2024
Chromium		1.5	S	**2.3**	0.7000	0	321.8	-100	100	02/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/05/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/01/2024

Batch 217908 **SampType:** LCS Units µg/L
SampID: LCS-217908

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.6	80	120	02/01/2024
Arsenic		1.0		**521**	500.0	0	104.2	80	120	02/01/2024
Barium		1.0		**1890**	2000	0	94.4	80	120	02/01/2024
Beryllium		1.0		**50.7**	50.00	0	101.4	80	120	02/01/2024
Boron		25.0		**477**	500.0	0	95.4	80	120	02/01/2024
Cadmium		1.0		**46.2**	50.00	0	92.5	80	120	02/01/2024
Chromium		1.5	B	**186**	200.0	0	92.9	80	120	02/05/2024
Cobalt		1.0		**502**	500.0	0	100.5	80	120	02/01/2024
Lead		1.0		**462**	500.0	0	92.4	80	120	02/01/2024
Lithium	*	3.0		**494**	500.0	0	98.7	80	120	02/01/2024
Molybdenum		1.5		**422**	500.0	0	84.3	80	120	02/05/2024
Selenium		1.0		**476**	500.0	0	95.2	80	120	02/01/2024
Thallium		2.0		**223**	250.0	0	89.3	80	120	02/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

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

Batch 217908 **SampType:** MS Units µg/L

SampID: 24010247-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**494**	500.0	0	98.9	75	125	02/01/2024
Arsenic		1.0		**510**	500.0	0	102.1	75	125	02/01/2024
Barium		1.0		**1900**	2000	0	95.2	75	125	02/01/2024
Beryllium		1.0		**48.6**	50.00	0	97.1	75	125	02/01/2024
Boron		25.0		**445**	500.0	0	88.9	75	125	02/01/2024
Cadmium		1.0		**46.9**	50.00	0	93.9	75	125	02/01/2024
Chromium		1.5	B	**227**	200.0	0.8026	113.1	75	125	02/05/2024
Cobalt		1.0		**483**	500.0	0	96.7	75	125	02/01/2024
Lead		1.0		**460**	500.0	0	92.1	75	125	02/01/2024
Lithium	*	3.0		**467**	500.0	0	93.3	75	125	02/01/2024
Molybdenum		1.5		**445**	500.0	0	89.0	75	125	02/06/2024
Selenium		1.0		**483**	500.0	0	96.7	75	125	02/01/2024
Thallium		2.0		**233**	250.0	0	93.1	75	125	02/01/2024

Batch 217908 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24010247-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**482**	500.0	0	96.4	494.4	2.50	02/01/2024
Arsenic		1.0		**510**	500.0	0	102.1	510.4	0.02	02/01/2024
Barium		1.0		**1920**	2000	0	95.8	1904	0.62	02/01/2024
Beryllium		1.0		**48.5**	50.00	0	97.0	48.55	0.16	02/01/2024
Boron		25.0		**450**	500.0	0	90.0	444.6	1.23	02/01/2024
Cadmium		1.0		**47.3**	50.00	0	94.5	46.94	0.68	02/01/2024
Chromium		1.5	B	**229**	200.0	0.8026	114.1	226.9	0.92	02/05/2024
Cobalt		1.0		**475**	500.0	0	95.0	483.5	1.75	02/01/2024
Lead		1.0		**471**	500.0	0	94.1	460.5	2.21	02/01/2024
Lithium	*	3.0		**469**	500.0	0	93.9	466.6	0.62	02/01/2024
Molybdenum		1.5		**456**	500.0	0	91.3	445.2	2.47	02/06/2024
Selenium		1.0		**480**	500.0	0	96.0	483.3	0.73	02/01/2024
Thallium		2.0		**242**	250.0	0	96.6	232.7	3.76	02/01/2024

Batch 218352 **SampType:** MBLK Units µg/L

SampID: MBLK-218352

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	02/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

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

Batch 218352 **SampType:** LCS Units µg/L
SampID: LCS-218352

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		1.0		**2020**	2000	0	100.9	80	120	02/08/2024

SW-846 7470A (DISSOLVED)

Batch 217574 **SampType:** MS Units µg/L
SampID: 24010247-055CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.77**	5.000	0	95.4	75	125	01/19/2024

Batch 217574 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-055CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.69**	5.000	0	93.7	4.769	1.78	01/19/2024

Batch 217610 **SampType:** MS Units µg/L
SampID: 24010247-060DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.34**	5.000	0	106.8	75	125	01/23/2024

Batch 217610 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-060DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.22**	5.000	0	104.4	5.342	2.28	01/23/2024

Batch 217610 **SampType:** MS Units µg/L
SampID: 24011359-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.99**	5.000	0	99.9	75	125	01/23/2024

Batch 217610 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24011359-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.20**	5.000	0	104.0	4.994	4.05	01/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 7470A (DISSOLVED)

Batch 217823 **SampType:** MBLK Units µg/L
SampID: MBLK-217823

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	01/26/2024

Batch 217823 **SampType:** LCS Units µg/L
SampID: LCS-217823

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.41**	5.000	0	88.2	85	115	01/26/2024

Batch 217823 **SampType:** MS Units µg/L
SampID: 24010247-043CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.09**	5.000	0	81.7	75	125	01/26/2024

Batch 217823 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-043CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.08**	5.000	0	81.6	4.087	0.23	01/26/2024

Batch 217823 **SampType:** MS Units µg/L
SampID: 24010247-101CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.06**	5.000	0	101.1	75	125	01/26/2024

Batch 217823 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-101CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.6	5.056	1.49	01/26/2024

Batch 217883 **SampType:** MBLK Units µg/L
SampID: MBLK-217883

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	01/29/2024

Batch 217883 **SampType:** LCS Units µg/L
SampID: LCS-217883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.34**	5.000	0	86.7	85	115	01/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24010247

Client Project: NEW-24Q1 **Report Date:** 20-Feb-24

SW-846 7470A (DISSOLVED)

Batch 217883 **SampType:** MS Units µg/L
SampID: 24010247-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.19**	5.000	0	103.8	75	125	01/29/2024

Batch 217883 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.6	5.190	1.20	01/29/2024

Batch 217927 **SampType:** MBLK Units µg/L
SampID: MBLK-217927

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	01/29/2024

Batch 217927 **SampType:** LCS Units µg/L
SampID: LCS-217927

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.07**	5.000	0	101.4	85	115	01/29/2024

Batch 217927 **SampType:** MS Units µg/L
SampID: 24011814-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.1	75	125	01/30/2024

Batch 217927 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24011814-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.46**	5.000	0	89.1	4.504	1.05	01/30/2024

SW-846 7470A (TOTAL)

Batch 217502 **SampType:** MBLK Units µg/L
SampID: MBLK-217502

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	01/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 7470A (TOTAL)

Batch 217502 **SampType:** LCS Units µg/L
SampID: LCS-217502

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.28**	5.000	0	85.7	85	115	01/18/2024

Batch 217502 **SampType:** MS Units µg/L
SampID: 24010247-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**6.49**	5.000	3.366	62.5	75	125	01/18/2024

Batch 217502 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**7.48**	5.000	3.366	82.2	6.493	14.11	01/18/2024

Batch 217574 **SampType:** MBLK Units µg/L
SampID: MBLK-217574

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	01/19/2024

Batch 217574 **SampType:** LCS Units µg/L
SampID: LCS-217574

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.55**	5.000	0	90.9	85	115	01/19/2024

Batch 217610 **SampType:** MBLK Units µg/L
SampID: MBLK-217610

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	01/23/2024

Batch 217610 **SampType:** LCS Units µg/L
SampID: LCS-217610

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.09**	5.000	0	101.8	85	115	01/23/2024

Batch 217744 **SampType:** MBLK Units µg/L
SampID: MBLK-217744

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	01/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

SW-846 7470A (TOTAL)

Batch 217744 **SampType:** LCS Units µg/L
SampID: LCS-217744

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.15**	5.000	0	103.1	85	115	01/24/2024

Batch 217744 **SampType:** MS Units µg/L
SampID: 24010247-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.96**	5.000	0.1422	96.4	75	125	01/24/2024

Batch 217744 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.93**	5.000	0.1422	95.8	4.961	0.57	01/24/2024

Batch 217927 **SampType:** MS Units µg/L
SampID: 24010247-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.03**	5.000	0	80.6	75	125	01/30/2024

Batch 217927 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24010247-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.59**	5.000	0	91.8	4.029	13.06	01/30/2024

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

Carrier: Tracy Carroll
Received By: MEK

Completed by: Amber Dilallo
On: 17-Jan-24

Reviewed by: Ellie Hopkins
On: 26-Jan-24

Pages to follow: Chain of custody 25 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

Additional Nitric Acid (94914) was needed in APW12, G202 and XPW01 Pore upon arrival at the laboratory. - amberdilallo - 1/17/2024 1:06:06 PM

pH strip #90719. - amberdilallo - 1/17/2024 1:06:26 PM

Samples received 1/18/24 at 0915 (on ice - 3.9C -LTG 7). pH strip #90719. Additional Nitric Acid (94914) was needed in APW16, G203, G221, and G222 upon arrival at the laboratory. - amberdilallo - 1/18/2024 1:03:24 PM

Samples received 1/19/24 at 1300 (on ice - 3.7C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in APW15, G220, G233 and APW02 Duplicate upon arrival at the laboratory. - amberdilallo - 1/18/2024 1:03:24 PM

Samples received 1/23/24 at 1700 (on ice - 3.1C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in G223 upon arrival at the laboratory. - amberdilallo - 1/18/2024 1:03:24 PM

Samples received 1/24/24 at 1705 (on ice - 8.7C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in A214, A215, G125, G130, G133, G139, G217S, R217D and A213 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G125, G130, G133, G217S and R217D upon arrival at the laboratory. Additional Sulfuric Acid (94915) was needed in G130 and G141 upon arrival at the laboratory. - amberdilallo - 1/25/2024 8:52:53 AM

Samples received 1/25/24 at 1815 (on ice - 1.1C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in G105, G006D, G106, G128, G006D Duplicate and G104 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G106 upon arrival at the laboratory. - amberdilallo - 1/26/2024 9:34:35 AM

Receiving Check List

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010247
Client Project: NEW-24Q1
Report Date: 20-Feb-24

Samples received 1/26/24 at 1300 (on ice - 5.5C - LTG 5). pH strip #89660/90719. Additional Nitric Acid (94914) was needed in L1R-leachate and Field Blank upon arrival at the laboratory.- amberdilallo - 1/26/2024 1:52:10 PM

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-844-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	A207						0													X				24010247-001
2	A213						5	2	1	1		1												24010247-002
3	A214						5	2	1	1		1												24010247-003
4	A215						5	2	1	1		1												24010247-004
5	APW02						4	2		2							X				X	X		24010247-005
6	APW03						4	2		2							X				X	X		24010247-006
7	APW04						4	2		2							X				X	X		24010247-007
8	APW05			1/16/24	1332		2	1		1							X				X			24010247-008
9	APW05S						2	1		1							X				X			24010247-009
10	APW06						2	1		1							X				X			24010247-010
11	APW07						2	1		1							X				X			24010247-011
12	APW08						2	1		1							X				X			24010247-012
13	APW09						2	1		1							X				X			24010247-013
14	APW10				~~1037~~		2	1		1							X				X			24010247-014
15	APW11			1/16/24	1037		2	1		1							X				X			24010247-015
16	APW12			1/16/24	1330		2	1		1							X				X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Terry Carroll	1-17-24	1245	Mary Kump	1/17/24	1245	5.1	Y	N	Y
							LR.5			

Added HNO_3 (94914) to APW12, G202, & XPW01 pore. UM 1/17
PH ✓: 90719

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Terry Carroll	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Terry Carroll						

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2	1		1						X				X			24010247-017
2	APW14						2	1		1						X				X			24010247-018
3	APW15						2	1		1						X				X			24010247-019
4	APW16						2	1		1						X				X			24010247-020
5	APW17						2	1		1						X				X			24010247-021
6	APW18			1/16/24	1445		2	1		1						X				X			24010247-022
7	G006D						2	1		1							X						24010247-023
8	G048MG						2	1		1							X						24010247-024
9	G104						5	2	1	1		1							X				24010247-025
10	G104S						0												X				24010247-026
11	G104D						0												X				24010247-027
12	G105						5	2	1	1		1							X				24010247-028
13	G106						5	2	1	1		1							X				24010247-029
14	G109						0												X				24010247-030
15	G111						0												X				24010247-031
16	G112						0												X				24010247-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Conrad	1-17-24	1245	Mary Hopp	1/17/24	1245	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Conrad	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Tracy Conrad						

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL; PRODUCT OL, WP; SOIL/SOLID AR, OT; OIL TS; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202			1-17-24	1007		2	1		1								X						24010247-049
2	G203						2	1		1								X						24010247-050
3	G208						2	1		1								X	X					24010247-051
4	G217S						5	2	1	1		1							X						24010247-052
5	G218						0												X						24010247-053
6	G220						2	1		1								X	X					24010247-054
7	G221						5	2	1	1		1							X						24010247-055
8	G222						2	1		1								X	X					24010247-056
9	G223						2	1		1								X	X					24010247-057
10	G224						2	1		1								X	X					24010247-058
11	G225						5	2	1	1		1							X						24010247-059
12	G230						6	2	1	2		1						X	X					24010247-060
13	G231						6	2	1	2		1						X	X					24010247-061
14	G232						6	2	1	2		1						X	X					24010247-062
15	G233						6	2	1	2		1						X	X					24010247-063
16	G234						5	2	1	1		1							X						24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Gilp	1-17-24	1245	Mary Kemp	1/17/24	1245	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN GILP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-17-24

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3						0													X				24010247-081
2	M26-4						0													X				24010247-082
3	M26-5						0													X				24010247-083
4	M26-6						0													X				24010247-084
5	M26-7						0													X				24010247-085
6	MW31S						0													X				24010247-086
7	MW33S						0													X				24010247-087
8	MW35S						0													X				24010247-088
9	MW36S						0													X				24010247-089
10	MW48S						0													X				24010247-090
11	R216						0													X				24010247-091
12	R217D						6	2	1	2		1					X	X						24010247-092
13	R219						5	2	1	1		1						X						24010247-093
14	XPW01-pore			1/16/24	1421		2	1		1							X				X			24010247-094
15	XPW02-pore			1/16/24	1325		2	1		1							X				X			24010247-095
16	XPW03-pore			1/16/24	1313		2	1		1							X				X			24010247-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Cardell	1-17-24	1245	Mary Kay	1/17/24	1245	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Cardell				
SIGNATURE of SAMPLER:	Tracy Cardell	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore			1/16/24	1123		2	1		1						X				X			24010247-097
2	XSG01						0									X				X			24010247-098
3	YSG02						0									X				X			24010247-099
4	Field Blank						6	2	1	2		1				X	X	X	X	X	X		24010247-100
5	A213 Duplicate						5	2	1	1		1						X					24010247-101
6	APW02 Duplicate						4	2		2						X				X	X		24010247-102
7	G006D Duplicate						2	1		1							X						24010247-103
8	G104 Duplicate						5	2	1	1		1							X				24010247-104
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1645	Mary Kemp	1/17/24	1245	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/16/24

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

Confidential

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13			1/17/24	1334		2	1		1						X				X			24010247-017
2	APW14			1/17/24	1427		2	1		1						X				X			24010247-018
3	APW15						2	1		1						X				X			24010247-019
4	APW16			1/17/24	1206		2	1		1						X				X			24010247-020
5	APW17			1/17/24	1025		2	1		1						X				X			24010247-021
6	APW18						2	1		1						X				X			24010247-022
7	G006D						2	1		1							X						24010247-023
8	G048MG						2	1		1							X						24010247-024
9	G104						5	2	1	1		1							X				24010247-025
10	G104S						0												X				24010247-026
11	G104D						0												X				24010247-027
12	G105						5	2	1	1		1							X				24010247-028
13	G106						5	2	1	1		1							X				24010247-029
14	G109						0												X				24010247-030
15	G111						0												X				24010247-031
16	G112						0												X				24010247-032

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	Tracy Carroll	1/18/24	915	FB / TekLab	1.18.24	915				
	FB / TekLab	1.18.24	1140	Nicole Reed	1/18/24	1140	0.7	Yes	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/17/24

LTG#7

Added HNO_3 (4/19/24) 90719/89680 to sample APW16, 6203, 6221, 6222

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER WW, P; PRODUCT SL; SOIL/SOLID SL, OL, WP; OIL OL, AR, OT; WIPE WP, TS; AIR AR; OTHER OT

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1							X						24010247-049
2	G203			1/17/24	1124		2	1		1							X						24010247-050
3	G208						2	1		1							X	X					24010247-051
4	G217S						5	2	1	1		1						X					24010247-052
5	G218						0											X					24010247-053
6	G220						2	1		1							X	X					24010247-054
7	G221			1/17/24	1304		5	2	1	1		1						X					24010247-055
8	G222			1/17/24	1333		2	1		1							X	X					24010247-056
9	G223						2	1		1							X	X					24010247-057
10	G224						2	1		1							X	X					24010247-058
11	G225						5	2	1	1		1						X					24010247-059
12	G230						6	2	1	2		1					X	X					24010247-060
13	G231						6	2	1	2		1					X	X					24010247-061
14	G232						6	2	1	2		1					X	X					24010247-062
15	G233						6	2	1	2		1					X	X					24010247-063
16	G234						5	2	1	1		1						X					24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1/18/24	915	FB / TekLab	1.18.24	915	
	FB / TekLab	1.18.24	1140	Trish Reed	1/18/24	1140	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 1/17/24

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

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes — MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0													X				24010247-001
2	A213						5	2	1	1		1							X					24010247-002
3	A214						5	2	1	1		1							X					24010247-003
4	A215						5	2	1	1		1							X					24010247-004
5	APW02			1/18/24	1335		4	2		2							X				X	X		24010247-005
6	APW03						4	2		2							X				X	X		24010247-006
7	APW04						4	2		2							X				X	X		24010247-007
8	APW05						2	1		1							X				X			24010247-008
9	APW05S						2	1		1							X				X			24010247-009
10	APW06						2	1		1							X				X			24010247-010
11	APW07						2	1		1							X				X			24010247-011
12	APW08			1/18/24	1121		2	1		1							X				X			24010247-012
13	APW09						2	1		1							X				X			24010247-013
14	APW10						2	1		1							X				X			24010247-014
15	APW11						2	1		1							X				X			24010247-015
16	APW12						2	1		1							X				X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	13:00	[signature]	1/19/24	1300	3.7	Y	N	Y
							1065			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-19-24

Added HNO3 (94914) TO APW15, G220, G233 & APW02 Dup. PHV 89460/90719 Sm 1/19/24

Confidential

24010247

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER
Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2	1		1						X				X			24010247-017
2	APW14						2	1		1						X				X			24010247-018
3	APW15			1/18/24	1014		2	1		1						X				X			24010247-019
4	APW16						2	1		1						X				X			24010247-020
5	APW17						2	1		1						X				X			24010247-021
6	APW18						2	1		1						X				X			24010247-022
7	G006D						2	1		1							X						24010247-023
8	G048MG						2	1		1							X						24010247-024
9	G104						5	2	1	1		1							X				24010247-025
10	G104S						0												X				24010247-026
11	G104D						0												X				24010247-027
12	G105						5	2	1	1		1							X				24010247-028
13	G106						5	2	1	1		1							X				24010247-029
14	G109						0												X				24010247-030
15	G111						0												X				24010247-031
16	G112						0												X				24010247-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	1300	[signature]	1/19/24	1300	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 1-19-24

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

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW; WASTE WATER P; PRODUCT SL; SOIL/SOLID OL, WP; OIL AR; WIPE OT, TS; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1								X						24010247-049
2	G203						2	1		1								X						24010247-050
3	G208						2	1		1								X						24010247-051
4	G217S						5	2	1	1		1												24010247-052
5	G218						0																	24010247-053
6	G220			1/18/24	1419		2	1		1								X						24010247-054
7	G221						5	2	1	1		1												24010247-055
8	G222						2	1		1								X						24010247-056
9	G223						2	1		1								X						24010247-057
10	G224						2	1		1								X						24010247-058
11	G225						5	2	1	1		1												24010247-059
12	G230			1/18/24	1101		6	2	1	2		1						X						24010247-060
13	G231			1/19/24	1126		6	2	1	2		1						X						24010247-061
14	G232			1/18/24	1154		6	2	1	2		1						X						24010247-062
15	G233			1/19/24	1232		6	2	1	2		1						X						24010247-063
16	G234			1/19/24	1301		5	2	1	1		1												24010247-064

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gilliham	1-19-24	13:00	[illegible]	1/19/24	1500	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gilliham		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Brett Gilliham	DATE Signed (MM/DD/YY): 1-19-24				

Confidential

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1							X				X			24010247-097
2	XSG01						0										X				X			24010247-098
3	YSG02						0										X				X			24010247-099
4	Field Blank						6	2	1	2		1					X	X	X	X	X	X		24010247-100
5	A213 Duplicate						5	2	1	1		1							X					24010247-101
6	APW02 Duplicate			1/18/24	1335		4	2		2							X				X	X		24010247-102
7	G006D Duplicate						2	1		1								X						24010247-103
8	G104 Duplicate						5	2	1	1		1								X				24010247-104
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillaker	1-19-24	13:30	Samantha Davies	1/19/24	1300	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillaker

SIGNATURE of SAMPLER: Brett Gillaker

DATE Signed (MM/DD/YY): 1-19-24

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

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0													X				24010247-001
2	A213						5	2	1	1		1							X					24010247-002
3	A214						5	2	1	1		1							X					24010247-003
4	A215						5	2	1	1		1							X					24010247-004
5	APW02						4	2		2							X				X	X		24010247-005
6	APW03			1-23-24	1304		4	2		2							X				X	X		24010247-006
7	APW04			1-23-24	1352		4	2		2							X				X	X		24010247-007
8	APW05						2	1		1							X				X			24010247-008
9	APW05S			1-23-24	0924		2	1		1							X				X			24010247-009
10	APW06			"	1004		2	1		1							X				X			24010247-010
11	APW07			↓	1129		2	1		1							X				X			24010247-011
12	APW08						2	1		1							X				X			24010247-012
13	APW09			1-23-24	1223		2	1		1							X				X			24010247-013
14	APW10			1-23-24	1439		2	1		1							X				X			24010247-014
15	APW11						2	1		1							X				X			24010247-015
16	APW12						2	1		1							X				X			24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-23	1700		1/23/24	1700	3.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-23-24

PHV 90719 + 89660
added 1 pump 94914 to G223
DS 1/29

LTG5 DS 1/24

Confidential

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1									X						24010247-049
2	G203						2	1		1									X						24010247-050
3	G208						2	1		1									X	X					24010247-051
4	G217S						5	2	1	1		1								X					24010247-052
5	G218						0													X					24010247-053
6	G220						2	1		1									X	X					24010247-054
7	G221						5	2	1	1		1								X					24010247-055
8	G222						2	1		1									X	X					24010247-056
9	G223			1-23-24	1359		2	1		1									X	X					24010247-057
10	G224			↓	1449		2	1		1									X	X					24010247-058
11	G225			↓	1303		5	2	1	1		1								X					24010247-059
12	G230						6	2	1	2		1							X	X					24010247-060
13	G231						6	2	1	2		1							X	X					24010247-061
14	G232						6	2	1	2		1							X	X					24010247-062
15	G233						6	2	1	2		1							X	X					24010247-063
16	G234						5	2	1	1		1								X					24010247-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J Colp	1-23	1700	[signature]	1/23/24	1700	5.1

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 1-23-24				

LTG 5

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501						Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1							X				X								24010247-097
2	XSG01						0										X				X								24010247-098
3	YSG02						0										X				X								24010247-099
4	Field Blank						6	2	1	2		1					X	X	X	X	X	X							24010247-100
5	A213 Duplicate						5	2	1	1		1							X										24010247-101
6	APW02 Duplicate						4	2		2							X				X	X							24010247-102
7	G006D Duplicate						2	1		1								X											24010247-103
8	G104 Duplicate						5	2	1	1		1								X									24010247-104
9	#1 EB Blank			1-23-24	1521																								-105
10																													
11																													
12																													
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	J. Colp	1-23	1700		1/23/24	1700	3.1			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 1-23-24

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

LTG 5

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY AP POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207						0												X				24010247-001
2	A213			1-24-24	0935		5	2	1	1		1											24010247-002
3	A214			1-24-24	1014		5	2	1	1		1											24010247-003
4	A215			1-24-24	1138		5	2	1	1		1											24010247-004
5	APW02						4	2		2						X				X	X			24010247-005
6	APW03						4	2		2						X				X	X			24010247-006
7	APW04						4	2		2						X				X	X			24010247-007
8	APW05						2	1		1						X				X				24010247-008
9	APW05S						2	1		1						X				X				24010247-009
10	APW06						2	1		1						X				X				24010247-010
11	APW07						2	1		1						X				X				24010247-011
12	APW08						2	1		1						X				X				24010247-012
13	APW09						2	1		1						X				X				24010247-013
14	APW10						2	1		1						X				X				24010247-014
15	APW11						2	1		1						X				X				24010247-015
16	APW12						2	1		1						X				X				24010247-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	8.7	Y	N	Y
							UGS			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-24-24

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

8.7 LTGS

Added HNO3(94914) to A214, A215, G125, G130, G133, G139, G217S, R217O & A213 Dup. Added NaOH(95443) to G125, G130, G133, G217S & R217O. Added H2SO4(94915) to G125 & G133

SM 1/25/24

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113						0													X				24010247-033
2	G114						0													X				24010247-034
3	G115						0													X				24010247-035
4	G116						5	2	1	1		1								X		X		24010247-036
5	G117						0													X				24010247-037
6	G118						0													X				24010247-038
7	G119						0													X				24010247-039
8	G120						0													X				24010247-040
9	G125			1-24-24	1320		5	2	1	1		1								X				24010247-041
10	G128						5	2	1	1		1								X				24010247-042
11	G130			1-24-24	1408		5	2	1	1		1								X				24010247-043
12	G133			1-24-24	1315		5	2	1	1		1								X				24010247-044
13	G136						5	2	1	1		1								X				24010247-045
14	G139			1-24-24	1402		5	2	1	1		1								X				24010247-046
15	G141			1-24-24	1044		5	2	1	1		1								X				24010247-047
16	G201						2	1		1							X							24010247-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	1-24-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]						

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL, OL, WP; PRODUCT AR, OT; SOIL/SOLID TS; OIL; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-846-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202						2	1		1							X						24010247-049
2	G203						2	1		1							X						24010247-050
3	G208						2	1		1							X	X					24010247-051
4	G217S			1-24-24	1245		5	2	1	1		1						X					24010247-052
5	G218						0											X					24010247-053
6	G220						2	1		1							X	X					24010247-054
7	G221						5	2	1	1		1						X					24010247-055
8	G222						2	1		1							X	X					24010247-056
9	G223						2	1		1							X	X					24010247-057
10	G224						2	1		1							X	X					24010247-058
11	G225						5	2	1	1		1						X					24010247-059
12	G230						6	2	1	2		1					X	X					24010247-060
13	G231						6	2	1	2		1					X	X					24010247-061
14	G232						6	2	1	2		1					X	X					24010247-062
15	G233						6	2	1	2		1					X	X					24010247-063
16	G234						5	2	1	1		1						X					24010247-064

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705		1/24/24	1705	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 1-24-24

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

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL; PRODUCT OL, WP; SOIL/SOLID AR, OT; OIL TS; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3						0													X				24010247-081
2	M26-4						0													X				24010247-082
3	M26-5						0													X				24010247-083
4	M26-6						0													X				24010247-084
5	M26-7						0													X				24010247-085
6	MW31S						0													X				24010247-086
7	MW33S						0													X				24010247-087
8	MW35S						0													X				24010247-088
9	MW36S						0													X				24010247-089
10	MW48S						0													X				24010247-090
11	R216						0													X				24010247-091
12	R217D			1-24-24	1155		6	2	1	2		1					X	X						24010247-092
13	R219						5	2	1	1		1						X						24010247-093
14	XPW01-pore						2	1		1							X				X			24010247-094
15	XPW02-pore						2	1		1							X				X			24010247-095
16	XPW03-pore						2	1		1							X				X			24010247-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705		1/24/24	1705	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	1-24-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW WT; WATER WW; WASTE WATER WW P; PRODUCT SL; SOIL/SOLID SL OL WP; OIL AR; WIPE OT TS; AIR; OTHER

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1							X				X			24010247-097
2	XSG01						0										X				X			24010247-098
3	YSG02						0										X				X			24010247-099
4	Field Blank						6	2	1	2		1					X	X	X	X	X	X		24010247-100
5	A213 Duplicate			1-24-24	0935		5	2	1	1		1							X					24010247-101
6	APW02 Duplicate						4	2		2							X				X	X		24010247-102
7	G006D Duplicate						2	1		1								X						24010247-103
8	G104 Duplicate						5	2	1	1		1								X				24010247-104
9	EB #2			1-24-24	1451																			-105
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1-24-24

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

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

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
Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: 2285

Section C Invoice Information:
Attention: Terry Hanratty
Company Name: Vistra Corp
Address: see Section A
Quote Reference:
Project Manager:
Profile #:

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

Section D Required Client Information
Valid Matrix Codes — MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./Lab I.D.
1	APW13						2	1		1							X				X			24010247-017
2	APW14						2	1		1							X				X			24010247-018
3	APW15						2	1		1							X				X			24010247-019
4	APW16						2	1		1							X				X			24010247-020
5	APW17						2	1		1							X				X			24010247-021
6	APW18						2	1		1							X				X			24010247-022
7	G006D			1-25-24	1000		2	1		1								X						24010247-023
8	G048MG						2	1		1								X						24010247-024
9	G104			1-25-24	1130		5	2	1	1		1								X				24010247-025
10	G104S						0													X				24010247-026
11	G104D						0													X				24010247-027
12	G105			1-25-24	1046		5	2	1	1		1								X				24010247-028
13	G106			1-25-24	0929		5	2	1	1		1								X				24010247-029
14	G109						0													X				24010247-030
15	G111						0													X				24010247-031
16	G112						0													X				24010247-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	J. Colp	1-25	1815	[illegible signature]	1/25/24	1815	1.1 LTGS	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 1-25-24

added HNO3 (94914) to G105, G106,
G106, G128, G06D Dup & G104 Dup @ 830am.
NaOH (95443) to G106.
H Y 8966090719. 10am 1/24/24

. Confidential

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

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

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL, OL; PRODUCT WP; SOIL/SOLID AR, OT; OIL TS; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113						0													X				24010247-033
2	G114						0													X				24010247-034
3	G115						0													X				24010247-035
4	G116			1-25-24	1049		5	2	1	1		1								X		X		24010247-036
5	G117						0													X				24010247-037
6	G118						0													X				24010247-038
7	G119						0													X				24010247-039
8	G120						0													X				24010247-040
9	G125						5	2	1	1		1								X				24010247-041
10	G128			1-25-24	0903		5	2	1	1		1								X				24010247-042
11	G130						5	2	1	1		1								X				24010247-043
12	G133						5	2	1	1		1								X				24010247-044
13	G136			1-25-24	1144		5	2	1	1		1								X				24010247-045
14	G139						5	2	1	1		1								X				24010247-046
15	G141						5	2	1	1		1								X				24010247-047
16	G201			1-25-24	1159		2	1		1								X						24010247-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-25-24	1815	Samantha Davies	1/25/24	1815	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-25-24

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

24010247

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1						X				X			24010247-097
2	XSG01						0									X				X			24010247-098
3	YSG02						0									X				X			24010247-099
4	Field Blank						6	2	1	2		1				X	X	X	X	X	X		24010247-100
5	A213 Duplicate						5	2	1	1		1						X					24010247-101
6	APW02 Duplicate						4	2		2						X				X	X		24010247-102
7	G006D Duplicate			1-25-24	1000		2	1		1							X						24010247-103
8	G104 Duplicate			1-25-24	1830		5	2	1	1		1							X				24010247-104
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-25	1815	[illegible]	1/25/24	1815	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 1-25-24

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

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L1R-leachate			1-26-24	1010		2	1		1							X		X					24010247-065
2	L201-leachate						0												X					24010247-066
3	L202-leachate						0												X					24010247-067
4	L203-leachate						0												X					24010247-068
5	L204-leachate						0												X					24010247-069
6	L205-leachate						0												X					24010247-070
7	L301-leachate						2	1		1							X							24010247-071
8	M25-1						0												X					24010247-072
9	M25-2						0												X					24010247-073
10	M25-3						0												X					24010247-074
11	M25-4						0												X					24010247-075
12	M25-5						0												X					24010247-076
13	M25-6						0												X					24010247-077
14	M25-7						0												X					24010247-078
15	M26-1						0												X					24010247-079
16	M26-2						0												X					24010247-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Hemp	1/26/24	1300	#5			
							5.5	Y	N	Y

PH: 907191896160
Added HNO_3 (94914) @ 13:30 on 1/26/24 on 1/26

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-26-24

24010247

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)															
1	M26-3						0												X				24010247-081
2	M26-4						0												X				24010247-082
3	M26-5						0												X				24010247-083
4	M26-6						0												X				24010247-084
5	M26-7						0												X				24010247-085
6	MW31S						0												X				24010247-086
7	MW33S						0												X				24010247-087
8	MW35S						0												X				24010247-088
9	MW36S						0												X				24010247-089
10	MW48S						0												X				24010247-090
11	R216						0												X				24010247-091
12	R217D						6	2	1	2		1					X	X					24010247-092
13	R219			1-26-24	0858		5	2	1	1		1						X					24010247-093
14	XPW01-pore						2	1		1						X				X			24010247-094
15	XPW02-pore						2	1		1						X				X			24010247-095
16	XPW03-pore						2	1		1						X				X			24010247-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Kemp	1/26/24	1300	

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	1-26-24	Temp in °C / Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)
SIGNATURE of SAMPLER:				

24010247

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ / Requested Analysis Filtered (Y/N): NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501							Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore						2	1		1						X				X								24010247-097
2	XSG01						0									X				X								24010247-098
3	YSG02						0									X				X								24010247-099
4	* Field Blank			1-26-24	1015		6	2	1	2		1				X	X	X	X	X	X							24010247-100
5	A213 Duplicate						5	2	1	1		1						X										24010247-101
6	APW02 Duplicate						4	2		2						X				X	X							24010247-102
7	G006D Duplicate						2	1		1							X											24010247-103
8	G104 Duplicate						5	2	1	1		1							X									24010247-104
9	* FIELD BLANK EQUIP #5			1-26-24	1020																							-107
10																												
11																												
12																												
13																												
14																												
15																												
16																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Hemp	1126/24	1300				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 1-26-24

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

February 27, 2024

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

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

RE: NEW-24Q1 **WorkOrder:** 24010248

Dear Eric Bauer:

TEKLAB, INC received 23 samples on 1/26/2024 1:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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: 24010248
Client Project: NEW-24Q1
Report Date: 27-Feb-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010248
Report Date: 27-Feb-24

Cooler Receipt Temp: 5.1 °C

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

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

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-001 **Client Sample ID:** APW02

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/14/2024 11:46	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-002 **Client Sample ID:** APW03

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/14/2024 11:46	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-003 **Client Sample ID:** APW04

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-004 **Client Sample ID:** APW05

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-005 **Client Sample ID:** APW05S

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-006 **Client Sample ID:** APW06

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-007 **Client Sample ID:** APW07

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-008 **Client Sample ID:** APW08

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:48	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-009 **Client Sample ID:** APW09

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-010 **Client Sample ID:** APW10

Matrix: GROUNDWATER **Collection Date:** 01/23/2024 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-011 **Client Sample ID:** APW11

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-012 **Client Sample ID:** APW12

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 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	02/08/2024 11:47	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-013 **Client Sample ID:** APW13

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 13:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-014 **Client Sample ID:** APW14

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 14:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-015 **Client Sample ID:** APW15

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:45	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-016 **Client Sample ID:** APW16

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 12:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-017 **Client Sample ID:** APW17

Matrix: GROUNDWATER **Collection Date:** 01/17/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-018 **Client Sample ID:** APW18

Matrix: GROUNDWATER **Collection Date:** 01/16/2024 14:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-019 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 01/26/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-020 **Client Sample ID:** APW02 Duplicate

Matrix: GROUNDWATER **Collection Date:** 01/18/2024 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-021 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 01/23/2024 15:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:46	R343571

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-022 **Client Sample ID:** Equipment Blank 2

Matrix: AQUEOUS **Collection Date:** 01/24/2024 14:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	02/08/2024 11:47	R343571

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24010248

Client Project: NEW-24Q1 **Report Date:** 27-Feb-24

Lab ID: 24010248-023 **Client Sample ID:** Equipment Blank 3

Matrix: AQUEOUS **Collection Date:** 01/26/2024 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	02/12/2024 11:55	R343571

Sample Summary

Client: Ramboll
Client Project: NEW-24Q1

Work Order: 24010248
Report Date: 27-Feb-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24010248-001	APW02	Groundwater	1	01/18/2024 13:35
24010248-002	APW03	Groundwater	1	01/23/2024 13:04
24010248-003	APW04	Groundwater	1	01/23/2024 13:52
24010248-004	APW05	Groundwater	1	01/16/2024 12:22
24010248-005	APW05S	Groundwater	1	01/23/2024 9:24
24010248-006	APW06	Groundwater	1	01/23/2024 10:04
24010248-007	APW07	Groundwater	1	01/23/2024 11:29
24010248-008	APW08	Groundwater	1	01/18/2024 11:21
24010248-009	APW09	Groundwater	1	01/23/2024 12:23
24010248-010	APW10	Groundwater	1	01/23/2024 14:39
24010248-011	APW11	Groundwater	1	01/16/2024 10:37
24010248-012	APW12	Groundwater	1	01/16/2024 13:20
24010248-013	APW13	Groundwater	1	01/17/2024 13:34
24010248-014	APW14	Groundwater	1	01/17/2024 14:27
24010248-015	APW15	Groundwater	1	01/18/2024 10:14
24010248-016	APW16	Groundwater	1	01/17/2024 12:06
24010248-017	APW17	Groundwater	1	01/17/2024 10:25
24010248-018	APW18	Groundwater	1	01/16/2024 14:45
24010248-019	Field Blank	Aqueous	1	01/26/2024 10:15
24010248-020	APW02 Duplicate	Groundwater	1	01/18/2024 13:35
24010248-021	Equipment Blank 1	Aqueous	1	01/23/2024 15:21
24010248-022	Equipment Blank 2	Aqueous	1	01/24/2024 14:51
24010248-023	Equipment Blank 3	Aqueous	1	01/26/2024 10:20

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24010248
Client Project: NEW-24Q1
Report Date: 27-Feb-24

Carrier: Tracy Carroll
Received By: MEK

Completed by: Amber Dilallo
On: 17-Jan-24

Reviewed by: Ellie Hopkins
On: 26-Jan-24

Pages to follow: Chain of custody 25 Extra pages included 36

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.1
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

Additional Nitric Acid (94914) was needed in APW12 upon arrival at the laboratory. - amberdilallo - 1/17/2024 1:09:14 PM

pH strip #90719. - amberdilallo - 1/17/2024 1:09:33 PM

Samples received 1/18/24 at 0915 on ice - 3.9C - LTG 7. pH strip #90719. - amberdilallo - 1/18/2024 12:56:53 PM

Samples received 1/23/24 at 1700 on ice - 3.1C - LTG 5. pH strip #90719. - amberdilallo - 1/18/2024 1:03:24 PM

Sample received 1/24/24 at 1705 on ice - 8.7C - LTG 5. pH strip #90719. - amberdilallo - 1/25/2024 8:53:38 AM

Sample received 1/26/24 at 1300 on ice - 5.5C - LTG 5. pH strip #90719. - amberdilallo - 1/25/2024 8:53:38 AM

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

CHAIN-OF-CUSTODY / Analytical Request Document

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

24010248

Page: 1 of 7

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X				N/A
2	A213																		X					N/A
3	A214																		X					N/A
4	A215																		X					N/A
5	APW02						2			2							X				X	X		24010248-001
6	APW03						2			2							X				X	X		24010248-002
7	APW04						2			2							X				X	X		24010248-003
8	APW05			1/16/24	1222		2			2							X				X			24010248-004
9	APW05S						2			2							X				X			24010248-005
10	APW06						2			2							X				X			24010248-006
11	APW07						2			2							X				X			24010248-007
12	APW08						2			2							X				X			24010248-008
13	APW09						2			2							X				X			24010248-009
14	APW10						2			2							X				X			24010248-010
15	APW11			1/16/24	1037		2			2							X				X			24010248-011
16	APW12			1/16/24	1320		2			2							X				X			24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1245	Mary Tripp	1/17/24	1245	5.1	Y	N	Y
Ra226/228, only.							1.2.5			

Added HNO_3 (949124) to APW12
PHV: 90719 MM 1/17

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Tracy Carroll		
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY)	1/16/24

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

24010248

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: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)								
1	APW13						2			2							X				X			24010248-013
2	APW14						2			2							X				X			24010248-014
3	APW15						2			2							X				X			24010248-015
4	APW16						2			2							X				X			24010248-016
5	APW17						2			2							X				X			24010248-017
6	APW18			1/16/24	1445		2			2							X				X			24010248-018
7	G006D																	X						N/A
8	G048MG																	X						N/A
9	G104																			X				N/A
10	G104S																			X				N/A
11	G104D																			X				N/A
12	G105																			X				N/A
13	G106																			X				N/A
14	G109																			X				N/A
15	G111																			X				N/A
16	G112																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1245	Mary Kay	1/17/24	1245	
Ra226/228, only.							

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:	Tracy Carroll	DATE Signed (MM/DD/YY):	1/16/24		

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-267-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202			1-17-24	1007												X						N/A
2	G203																X						N/A
3	G208																X	X					N/A
4	G217S																	X					N/A
5	G218																	X					N/A
6	G220																X	X					N/A
7	G221																	X					N/A
8	G222																X	X					N/A
9	G223																X	X					N/A
10	G224																X	X					N/A
11	G225																	X					N/A
12	G230																X	X					N/A
13	G231																X	X					N/A
14	G232																X	X					N/A
15	G233																X	X					N/A
16	G234																	X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-17-24	1245	Mary Kay	1/17/24	1245	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole	DATE Signed (MM/DD/YY):	1-17-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

24010248

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: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL; PRODUCT OL, WP; SOIL/SOLID AR, OT; OIL TS; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3																			X				N/A
2	M26-4																			X				N/A
3	M26-5																			X				N/A
4	M26-6																			X				N/A
5	M26-7																			X				N/A
6	MW31S																			X				N/A
7	MW33S																			X				N/A
8	MW35S																			X				N/A
9	MW36S																			X				N/A
10	MW48S																			X				N/A
11	R216																			X				N/A
12	R217D																	X	X					N/A
13	R219																		X					N/A
14	XPW01-pore			1/16/24	1421												X				X			N/A
15	XPW02-pore			1/16/24	1325												X				X			N/A
16	XPW03-pore			1/16/24	1213												X				X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1245	Mary Kipp	1/17/24	1245	
Ra226/228, only.							

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:	Tracy Carroll	DATE Signed (MM/DD/YY):	1/16/24		

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-504	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	XPW04-pore			1/16/24	1123												X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1-17-24	1645	Mary Kay	1/17/24	1245	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Tracy Carroll				
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY):	1/16/24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW; WASTE WATER P; PRODUCT SL; SOIL/SOLID OL, WP; OIL AR; WIPE OT; AIR TS; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13			1/17/24	1334		2			2							X				X			24010248-013
2	APW14			1/17/24	1427		2			2							X				X			24010248-014
3	APW15						2			2							X				X			24010248-015
4	APW16			1/17/24	1206		2			2							X				X			24010248-016
5	APW17			1/17/24	1025		2			2							X				X			24010248-017
6	APW18						2			2							X				X			24010248-018
7	G006D																	X						N/A
8	G048MG																	X						N/A
9	G104																			X				N/A
10	G104S																			X				N/A
11	G104D																			X				N/A
12	G105																			X				N/A
13	G106																			X				N/A
14	G109																			X				N/A
15	G111																			X				N/A
16	G112																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	Tracy Carrol	1/18/24	915	FB / TekLab	1.18.24	915				
Ra226/228, only.	FB / TekLab	1.18.24	1140	Nick Reed	1/18/24	1140	3.9	Yes	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrol

SIGNATURE of SAMPLER: Tracy Carrol

DATE Signed (MM/DD/YY): 1/17/24

LT6#7

Added HNO_3 (94914) to Sample APW13, APW16, & APW17 NR 1/18

Confidential

24010248

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203			1/17/24	1124													X						N/A
3	G208																	X	X					N/A
4	G217S																		X					N/A
5	G218																		X					N/A
6	G220																	X	X					N/A
7	G221			1/17/24	1304														X					N/A
8	G222			1/17/24	1333													X	X					N/A
9	G223																	X	X					N/A
10	G224																	X	X					N/A
11	G225																		X					N/A
12	G230																	X	X					N/A
13	G231																	X	X					N/A
14	G232																	X	X					N/A
15	G233																	X	X					N/A
16	G234																		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Tracy Carroll	1/18/24	915	FB / TekLab	1.18.24	915	
Ra226/228, only.	FB / TekLab	1.18.24	1140	Trish Reed	1/18/24	1140	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 1/17/24

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

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY ASH POND
NEW-845-501

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location: STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X					N/A
2	A213																		X						N/A
3	A214																		X						N/A
4	A215																		X						N/A
5	APW02			1/18/24	1335		2			2							X				X	X			24010248-001
6	APW03						2			2							X				X	X			24010248-002
7	APW04						2			2							X				X	X			24010248-003
8	APW05						2			2							X				X				24010248-004
9	APW05S						2			2							X				X				24010248-005
10	APW06						2			2							X				X				24010248-006
11	APW07						2			2							X				X				24010248-007
12	APW08			1/18/24	1121		2			2							X				X				24010248-008
13	APW09						2			2							X				X				24010248-009
14	APW10						2			2							X				X				24010248-010
15	APW11						2			2							X				X				24010248-011
16	APW12						2			2							X				X				24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	Brett Gidlick	1-19-24	1300		1/19/24	1300	3.7	Y	N	Y
Ra226/228, only.							LCG5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gidlick

SIGNATURE of SAMPLER: Brett Gidlick

DATE Signed (MM/DD/YY): 1-19-24

Added HNO3 (94914) to APW02, APW08, APW15 & APW02 DUP.
pH ✓ 90719 sm 1/19/24

Confidential

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT - PRIMARY ASH POND
NEW-845-501 24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2			2						X				X			24010248-013
2	APW14						2			2						X				X			24010248-014
3	APW15			1/18/24	1014		2			2						X				X			24010248-015
4	APW16						2			2						X				X			24010248-016
5	APW17						2			2						X				X			24010248-017
6	APW18						2			2						X				X			24010248-018
7	G006D																X						N/A
8	G048MG																X						N/A
9	G104																		X				N/A
10	G104S																		X				N/A
11	G104D																		X				N/A
12	G105																		X				N/A
13	G106																		X				N/A
14	G109																		X				N/A
15	G111																		X				N/A
16	G112																		X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gilliken	1-19-24	1300		1/19/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gilliken	DATE Signed (MM/DD/YY):	1-19-24	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:	Brett Gilliken			Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Confidential

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: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203																	X						N/A
3	G208																	X	X					N/A
4	G217S																		X					N/A
5	G218																		X					N/A
6	G220			1/18/24	1419													X	X					N/A
7	G221																		X					N/A
8	G222																	X	X					N/A
9	G223																	X	X					N/A
10	G224																	X	X					N/A
11	G225																		X					N/A
12	G230			1/18/24	1101													X	X					N/A
13	G231			1/18/24	1126													X	X					N/A
14	G232			1/18/24	1154													X	X					N/A
15	G233			1/18/24	1232													X	X					N/A
16	G234			1/18/24	1301														X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	1500		1/19/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 1-19-24

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

24010248

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW; WASTE WATER P; PRODUCT SL; SOIL/SOLID OL, WP; OIL AR; WIPE OT, TS; AIR; OTHER

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate			1/18/24	1335		2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	Brett Gillihan	1-19-24	1300		1/19/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Gillihan				
SIGNATURE of SAMPLER:	Brett Gillihan	DATE Signed (MM/DD/YY):	1-19-24		

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

CHAIN-OF-CUSTODY / Analytical Request Document

24010248

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL CL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X				N/A
2	A213																		X					N/A
3	A214																		X					N/A
4	A215																		X					N/A
5	APW02						2			2							X				X	X			24010248-001
6	APW03			1-23-24	1304		2			2							X				X	X			24010248-002
7	APW04			1-23-24	1352		2			2							X				X	X			24010248-003
8	APW05						2			2							X				X				24010248-004
9	APW05S			1-23-24	0924		2			2							X				X				24010248-005
10	APW06			↓	1004		2			2							X				X				24010248-006
11	APW07			↓	1129		2			2							X				X				24010248-007
12	APW08						2			2							X				X				24010248-008
13	APW09			1-23-24	1223		2			2							X				X				24010248-009
14	APW10			1-23-24	1439		2			2							X				X				24010248-010
15	APW11						2			2							X				X				24010248-011
16	APW12						2			2							X				X				24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-23	1700	[signature]	1/23/24	17:00	3.1	Y	N	Y
Ra226/228, only.										

PHV 90719 DS 1/24

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-23-24

IR95 DS 1/24

24010248

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: Terry Hanratty	REGULATORY AGENCY
Address:	6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp	NPDES GROUND WATER DRINKING WATER
	Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A	UST RCRA OTHER
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location STATE: IL
Requested Due Date/TAT:	10 day	Project Number: 2285	Profile #:	

Valid matrix codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G202																	X						N/A
2	G203																	X						N/A
3	G208																	X	X					N/A
4	G217S																		X					N/A
5	G218																		X					N/A
6	G220																	X	X					N/A
7	G221																		X					N/A
8	G222																	X	X					N/A
9	G223			1-23-24	1359													X	X					N/A
10	G224			↓	1449													X	X					N/A
11	G225			↓	1303														X					N/A
12	G230																	X	X					N/A
13	G231																	X	X					N/A
14	G232																	X	X					N/A
15	G233																	X	X					N/A
16	G234																		X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-23	1700		1/23/24	17:00	3.1
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 1-23-24				

LTG5

24010248

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9	#1 EQ Blank			1-23-24	1521																			-021
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-23	1700	Sam Davies	1/23/24	1700	3.1
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1-23-24

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

LTG S

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT - PRIMARY ASH POND
NEW-845-501

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	A207																			X				N/A
2	A213			1-24-24	0935														X					N/A
3	A214			1-24-24	1014														X					N/A
4	A215			1-24-24	1138														X					N/A
5	APW02						2			2							X				X	X		24010248-001
6	APW03						2			2							X				X	X		24010248-002
7	APW04						2			2							X				X	X		24010248-003
8	APW05						2			2							X				X			24010248-004
9	APW05S						2			2							X				X			24010248-005
10	APW06						2			2							X				X			24010248-006
11	APW07						2			2							X				X			24010248-007
12	APW08						2			2							X				X			24010248-008
13	APW09						2			2							X				X			24010248-009
14	APW10						2			2							X				X			24010248-010
15	APW11						2			2							X				X			24010248-011
16	APW12						2			2							X				X			24010248-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-24Q1 Rev 0	J. Colp	1-24	1705	Samantha Davies	1/24/24	1705	8.7	Y	N	Y
Ra226/228, only.							1705			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 1-24-24

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

pH ✓ 90719 SM 1/25/24

87 LTGS

Confidential

24010248

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
	Sam Davies - samantha.davies@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

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

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113																		X				N/A
2	G114																		X				N/A
3	G115																		X				N/A
4	G116																		X		X		N/A
5	G117																		X				N/A
6	G118																		X				N/A
7	G119																		X				N/A
8	G120																		X				N/A
9	G125			1-24-24	1320														X				N/A
10	G128																		X				N/A
11	G130			1-24-24	1408														X				N/A
12	G133			1-24-24	1315														X				N/A
13	G136																		X				N/A
14	G139			1-24-24	1402														X				N/A
15	G141			1-24-24	1044														X				N/A
16	G201																X						N/A

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-24	1705	[signature]	1/24/24	1705	
Ra226/228, only.							

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):	1-24-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL; PRODUCT OL, WP; SOIL/SOLID AR, OT; OIL TS; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)							
1	G202																X						N/A
2	G203																X						N/A
3	G208																X	X					N/A
4	G217S			1-24-24	1245													X					N/A
5	G218																	X					N/A
6	G220																X	X					N/A
7	G221																	X					N/A
8	G222																X	X					N/A
9	G223																X	X					N/A
10	G224																X	X					N/A
11	G225																	X					N/A
12	G230																X	X					N/A
13	G231																X	X					N/A
14	G232																X	X					N/A
15	G233																X	X					N/A
16	G234																	X					N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-24	1705	[signature]	1/24/24	1705	
Ra226/228, only.							

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): 1-24-24			

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW; WASTE WATER P; PRODUCT SL; SOIL/SOLID OL, WP; OIL AR; OT; WIPE TS; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	M26-3																			X				N/A
2	M26-4																			X				N/A
3	M26-5																			X				N/A
4	M26-6																			X				N/A
5	M26-7																			X				N/A
6	MW31S																			X				N/A
7	MW33S																			X				N/A
8	MW35S																			X				N/A
9	MW36S																			X				N/A
10	MW48S																			X				N/A
11	R216																			X				N/A
12	R217D			1-24-24	1155													X	X					N/A
13	R219																		X					N/A
14	XPW01-pore																X				X			N/A
15	XPW02-pore																X				X			N/A
16	XPW03-pore																X				X			N/A

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[illegible]	1/24/24	1705	
Ra226/228, only.							

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):	1-24-24		

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT PRIMARY AI POND
NEW-845-501 24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-504	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																	
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate			1-24-24	0935														X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate																	X						N/A
8	G104 Duplicate																			X				N/A
9	EB #2			1-24-24	1451																			-02L
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-24	1705	[signature]	1/24/24	1705	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature] DATE Signed (MM/DD/YY): 1-24-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER (DW), WATER (WT), WASTE WATER (WW), PRODUCT (P), SOIL/SOLID (SL), OIL (OL), WIPE (WP), AIR (AR), OTHER (OT), TISSUE (TS)

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	APW13						2			2							X				X			24010248-013
2	APW14						2			2							X				X			24010248-014
3	APW15						2			2							X				X			24010248-015
4	APW16						2			2							X				X			24010248-016
5	APW17						2			2							X				X			24010248-017
6	APW18						2			2							X				X			24010248-018
7	G006D			1-25-24	1000												X							N/A
8	G048MG																X							N/A
9	G104			1-25-24	1130															X				N/A
10	G104S																			X				N/A
11	G104D																			X				N/A
12	G105			1-25-24	1046															X				N/A
13	G106			1-25-24	0924															X				N/A
14	G109																			X				N/A
15	G111																			X				N/A
16	G112																			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Gib	1-25	1855	[illegible]	1/25/24	1855	1.1	Y	N	Y
Ra226/228, only.							2.5			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Gib	DATE Signed (MM/DD/YY):	1-25-24
SIGNATURE of SAMPLER:	[signature]		

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Newton	Report To: Brian Voelker	Attention: Terry Hanratty
Address: 6725 N 500th St	Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name: Vistra Corp
Newton, IL 62448	Sam Davies - samantha.davies@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G113																			X				N/A
2	G114																			X				N/A
3	G115																			X				N/A
4	G116			1-25-24	1049															X		X		N/A
5	G117																			X				N/A
6	G118																			X				N/A
7	G119																			X				N/A
8	G120																			X				N/A
9	G125																			X				N/A
10	G128			1-25-24	0903															X				N/A
11	G130																			X				N/A
12	G133																			X				N/A
13	G136			1-25-24	1144															X				N/A
14	G139																			X				N/A
15	G141																			X				N/A
16	G201			1-25-24	1154													X						N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cole	1-25	1815	[signature]	1/25/24	1815	
Ra226/228, only.							

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): 1-25-24				

24010248

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,- Sample IDs MUST BE UNIQUE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	NEW-967-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank						2			2							X	X	X	X	X	X		24010248-019
5	A213 Duplicate																		X					N/A
6	APW02 Duplicate						2			2							X				X	X		24010248-020
7	G006D Duplicate			1-25-24	1000													X						N/A
8	G104 Duplicate			1-25-24	1130															X				N/A
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Cob	1-25	1815	[illegible]	1/25/24	1815	
Ra226/228, only.							

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 Cob				
SIGNATURE of SAMPLER:	[signature] DATE Signed (MM/DD/YY): 1-25-24				

24010248

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:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	L1R-leachate			1-26-24	1010												X		X				N/A
2	L201-leachate																		X				N/A
3	L202-leachate																		X				N/A
4	L203-leachate																		X				N/A
5	L204-leachate																		X				N/A
6	L205-leachate																		X				N/A
7	L301-leachate																X						N/A
8	M25-1																		X				N/A
9	M25-2																		X				N/A
10	M25-3																		X				N/A
11	M25-4																		X				N/A
12	M25-5																		X				N/A
13	M25-6																		X				N/A
14	M25-7																		X				N/A
15	M26-1																		X				N/A
16	M26-2																		X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Thump	1/26/24	1300				
Ra226/228, only.							5.5	Y		Y

5.5°#5
PH: 90719 MS 1/26

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Justin Colp
SIGNATURE of SAMPLER:	
DATE Signed (MM/DD/YY):	1-26-24

LRC5

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																
1	M26-3																			X				N/A
2	M26-4																			X				N/A
3	M26-5																			X				N/A
4	M26-6																			X				N/A
5	M26-7																			X				N/A
6	MW31S																			X				N/A
7	MW33S																			X				N/A
8	MW35S																			X				N/A
9	MW36S																			X				N/A
10	MW48S																			X				N/A
11	R216																			X				N/A
12	R217D																	X	X					N/A
13	R219			1-26-24	0858														X					N/A
14	XPW01-pore																X				X			N/A
15	XPW02-pore																X				X			N/A
16	XPW03-pore																X				X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Tenup	1/26/24	1300	
Ra226/228, only.							

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):	1-26-24		

24010248

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Newton	Report To:	Brian Voelker	Attention:	Terry Hanratty
Address:	6725 N 500th St	Copy To:	Terry Hanratty - Terry.Hanratty@vistracorp.com	Company Name:	Vistra Corp
	Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	XPW04-pore																X				X			N/A
2	XSG01																X				X			N/A
3	YSG02																X				X			N/A
4	Field Blank			1-26-24	1015		2			2						X	X	X	X	X	X	X		24010248-019
5	A213 Duplicate																	X						N/A
6	APW02 Duplicate						2			2						X					X	X		24010248-020
7	G006D Duplicate																X							N/A
8	G104 Duplicate																			X				N/A
9	EB #3			1-26-24	1020																			-023
10																								
11																								
12																								
13																								
14																								
15																								
16																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-24Q1 Rev 0	J. Colp	1-26	1300	Mary Kay	11/26/24	1300	
Ra226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	1-26-24	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:				Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/26/2024 10:05:22 PM

JOB DESCRIPTION

Radium-226 and Radium-228

JOB NUMBER

160-52944-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

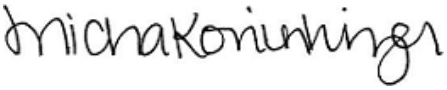
Eurofins St. Louis

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
2/26/2024 10:05:22 PM

Authorized for release by
Micha Korrinhizer, Project Manager
Micha.Korrinhizer@et.eurofinsus.com
Designee for
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: Radium-226 and Radium-228

Report Number: 160-52944-1

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 solid sample results for Chemistry analyses are reported on an ""as received"" basis unless otherwise indicated by the presence of a % solids value in the method header. 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.

The method blank (MB) z-score is within limits, unless stated otherwise below.

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.

Reference the chain of custody and receipt report for any variations on receipt conditions.

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

Receipt
The samples were received on 1/29/2024 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 18.9°C and 19.0°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24010248-001 (160-52944-1), 24010248-002 (160-52944-2), 24010248-003 (160-52944-3), 24010248-004 (160-52944-4), 24010248-005 (160-52944-5), 24010248-006 (160-52944-6), 24010248-007 (160-52944-7), 24010248-008 (160-52944-8), 24010248-009 (160-52944-9), 24010248-010 (160-52944-10), 24010248-011 (160-52944-11), 24010248-012 (160-52944-12), 24010248-013 (160-52944-13), 24010248-014 (160-52944-14), 24010248-015 (160-52944-15), 24010248-016 (160-52944-16), 24010248-017 (160-52944-17), 24010248-018 (160-52944-18), 24010248-019 (160-52944-19), 24010248-020 (160-52944-20), 24010248-021 (160-52944-21), 24010248-022 (160-52944-22) and 24010248-023 (160-52944-23) were analyzed for Radium-226 (GFPC). The samples were prepared on 1/30/2024 and analyzed on 2/21/2024 and 2/22/2024.

Job ID: 160-52944-1 (Continued) Eurofins St. Louis

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

Method 904.0 - Radium-228 (GFPC)
Samples 24010248-001 (160-52944-1), 24010248-002 (160-52944-2), 24010248-003 (160-52944-3), 24010248-004 (160-52944-4), 24010248-005 (160-52944-5), 24010248-006 (160-52944-6), 24010248-007 (160-52944-7), 24010248-008 (160-52944-8), 24010248-009 (160-52944-9), 24010248-010 (160-52944-10), 24010248-011 (160-52944-11), 24010248-012 (160-52944-12), 24010248-013 (160-52944-13), 24010248-014 (160-52944-14), 24010248-015 (160-52944-15), 24010248-016 (160-52944-16), 24010248-017 (160-52944-17), 24010248-018 (160-52944-18), 24010248-019 (160-52944-19), 24010248-020 (160-52944-20), 24010248-021 (160-52944-21), 24010248-022 (160-52944-22) and 24010248-023 (160-52944-23) were analyzed for Radium-228 (GFPC). The samples were prepared on 1/30/2024 and 2/8/2024 and analyzed on 2/8/2024, 2/12/2024 and 2/14/2024.

The following sample in batch 1460-647410 was prepared at a reduced aliquot due to Matrix: 24010248-002 (160-52944-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

The following samples in batch 160-646068 did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference: 24010248-004 (160-52944-4), 24010248-008 (160-52944-8), 24010248-011 (160-52944-11), 24010248-015 (160-52944-15) and 24010248-018 (160-52944-18). During preparation the analyst visually noted matrix effects. The data have been reported with this narrative.

The laboratory control sample duplicate (LCSD 160-647410/3-A) associated with batch 160-647410 recovered at 129%. The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCSD are not from this agency and are therefore held to our in-house statistical limits of (63-150%) per method requirements. The LCSD passes, no further action is required

The detection goal was not met for the following sample in batch 160-647410 due to reduced sample volume attributed to the presence of matrix interferences: 24010248-002 (160-52944-2). Analytical results are reported with the detection limit achieved.

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

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24010248-001 (160-52944-1), 24010248-002 (160-52944-2), 24010248-003 (160-52944-3), 24010248-004 (160-52944-4), 24010248-005 (160-52944-5), 24010248-006 (160-52944-6), 24010248-007 (160-52944-7), 24010248-008 (160-52944-8), 24010248-009 (160-52944-9), 24010248-010 (160-52944-10), 24010248-011 (160-52944-11), 24010248-012 (160-52944-12), 24010248-013 (160-52944-13), 24010248-014 (160-52944-14), 24010248-015 (160-52944-15), 24010248-016 (160-52944-16), 24010248-017 (160-52944-17), 24010248-018 (160-52944-18), 24010248-019 (160-52944-19), 24010248-020 (160-52944-20), 24010248-021 (160-52944-21), 24010248-022 (160-52944-22) and 24010248-023 (160-52944-23) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 2/22/2024 and 2/23/2024.

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

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 Sampler QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24010248

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35715 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	Ra226/228
	24010248-001	1/18/24 1335	HNO3	Groundwater	✔
	24010248-002	1/23/24 1304	HNO3	Groundwater	✔
	24010248-003	1/23/24 1352	HNO3	Groundwater	✔
	24010248-004	1/16/24 1222	HNO3	Groundwater	✔
	24010248-005	1/23/24 0924	HNO3	Groundwater	✔
	24010248-006	1/23/24 1004	HNO3	Groundwater	✔
	24010248-007	1/23/24 1129	HNO3	Groundwater	✔
	24010248-008	1/18/24 1121	HNO3	Groundwater	✔
	24010248-009	1/23/24 1223	HNO3	Groundwater	✔
	24010248-010	1/23/24 1439	HNO3	Groundwater	✔
	24010248-011	1/16/24 ~~1320~~ 1037 ERH 1/26/24	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29/24		

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 Sampler | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24010248

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35715 | 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	Ra226/228											
	24010248-012	1/16/24 1320	HNO3	Groundwater	✔											
	24010248-013	1/17/24 1334	HNO3	Groundwater	✔											
	24010248-014	1/17/24 1427	HNO3	Groundwater	✔											
	24010248-015	1/18/24 1014	HNO3	Groundwater	✔											
	24010248-016	1/17/24 1206	HNO3	Groundwater	✔											
	24010248-017	1/17/24 1025	HNO3	Groundwater	✔											
	24010248-018	1/16/24 1445	HNO3	Groundwater	✔											
	24010248-019	1/26/24 1015	HNO3	Groundwater	✔											
	24010248-020	1/18/24 ~~1418~~ 1335	HNO3	Groundwater	✔											
	24010248-021	1/23/24 1521 TR 1/31/24	HNO3	Groundwater	✔											
	24010248-022	1/24/24 1451	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29 pm		

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 Sampler QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24010248

Contact: Elizabeth Hurley
Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT
Billing/PO: 35715
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	Ra226/228
	24010248-023	1/26/24 1020	HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29/24		

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 Sampler | QC Level: 2

Project# 24010248

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35715 | 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.

160-52944 Chain of Custody

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	24010248-001	1/18/24 1335	HNO3	Groundwater	✔
	24010248-002	1/23/24 1304	HNO3	Groundwater	✔
	24010248-003	1/23/24 1352	HNO3	Groundwater	✔
	24010248-004	1/16/24 1222	HNO3	Groundwater	✔
	24010248-005	1/23/24 0924	HNO3	Groundwater	✔
	24010248-006	1/23/24 1004	HNO3	Groundwater	✔
	24010248-007	1/23/24 1129	HNO3	Groundwater	✔
	24010248-008	1/18/24 1121	HNO3	Groundwater	✔
	24010248-009	1/23/24 1223	HNO3	Groundwater	✔
	24010248-010	1/23/24 1439	HNO3	Groundwater	✔
	24010248-011	1/16/24 ~~1320~~ 1257 ERH 1/24/24	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/24/24 1400	[signature]	1/24/24 1400 12pm

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)

SubCocRevA 3/2/2016

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

2/26/2024

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 Sampler | QC Level: 2

Project# 24010248

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35715 | 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	Ra226/228
	24010248-012	1/16/24 1320	HNO3	Groundwater	✔
	24010248-013	1/17/24 1334	HNO3	Groundwater	✔
	24010248-014	1/17/24 1427	HNO3	Groundwater	✔
	24010248-015	1/18/24 1014	HNO3	Groundwater	✔
	24010248-016	1/17/24 1206	HNO3	Groundwater	✔
	24010248-017	1/17/24 1025	HNO3	Groundwater	✔
	24010248-018	1/16/24 1445	HNO3	Groundwater	✔
	24010248-019	1/26/24 1015	HNO3	Groundwater	✔
	24010248-020	1/18/24 1419	HNO3	Groundwater	✔
	24010248-021	1/23/24 1521	HNO3	Groundwater	✔
	24010248-022	1/24/24 1451	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
	1/29/24 1100		
	1/29/24 1200	Jayna Arnett	1/29/24 1200

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)

SubCocRevA 3/2/2016

ATTACHMENT B
845 QUARTERLY REPORT - QUARTER 1, 2024
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

2/26/2024

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 Sampler QC Level: 2

Project# 24010248

Contact: Elizabeth Hurley
Requested Due Date: Standad TAT
Email: ehurley@teklabinc.com
Billing/PO: 35715

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

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	Ra226/228
	24010248-023	1/26/24 1020	HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔
			HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	1/29/24 1100	[signature]	1/29/24 1100
[signature]	1/29/24 1200		1/29/24 12pm

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)

SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52944-1

Login Number: 52944
List Number: 1
Creator: Awalt, Jayna K

List Source: Eurofins St. Louis

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

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

Job ID: 160-52944-1

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

Job ID: 160-52944-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52944-1	24010248-001	Water	01/18/24 13:35	01/29/24 12:00
160-52944-2	24010248-002	Water	01/23/24 13:04	01/29/24 12:00
160-52944-3	24010248-003	Water	01/23/24 13:52	01/29/24 12:00
160-52944-4	24010248-004	Water	01/16/24 12:22	01/29/24 12:00
160-52944-5	24010248-005	Water	01/23/24 09:24	01/29/24 12:00
160-52944-6	24010248-006	Water	01/23/24 10:04	01/29/24 12:00
160-52944-7	24010248-007	Water	01/23/24 11:29	01/29/24 12:00
160-52944-8	24010248-008	Water	01/18/24 11:21	01/29/24 12:00
160-52944-9	24010248-009	Water	01/23/24 12:23	01/29/24 12:00
160-52944-10	24010248-010	Water	01/23/24 14:39	01/29/24 12:00
160-52944-11	24010248-011	Water	01/16/24 10:37	01/29/24 12:00
160-52944-12	24010248-012	Water	01/16/24 13:20	01/29/24 12:00
160-52944-13	24010248-013	Water	01/17/24 13:34	01/29/24 12:00
160-52944-14	24010248-014	Water	01/17/24 14:27	01/29/24 12:00
160-52944-15	24010248-015	Water	01/18/24 10:14	01/29/24 12:00
160-52944-16	24010248-016	Water	01/17/24 12:06	01/29/24 12:00
160-52944-17	24010248-017	Water	01/17/24 10:25	01/29/24 12:00
160-52944-18	24010248-018	Water	01/16/24 14:45	01/29/24 12:00
160-52944-19	24010248-019	Water	01/26/24 10:15	01/29/24 12:00
160-52944-20	24010248-020	Water	01/18/24 13:35	01/29/24 12:00
160-52944-21	24010248-021	Water	01/23/24 15:21	01/29/24 12:00
160-52944-22	24010248-022	Water	01/24/24 14:51	01/29/24 12:00
160-52944-23	24010248-023	Water	01/26/24 10:20	01/29/24 12:00

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-001
Date Collected: 01/18/24 13:35
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0927	U	0.0686	0.0691	1.00	0.0992	pCi/L	01/30/24 10:21	02/22/24 18:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*01/30/24 10:21*	*02/22/24 18:06*	*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	**1.73**		0.472	0.498	1.00	0.506	pCi/L	02/08/24 10:22	02/14/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*
Y Carrier	*87.1*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.82**		0.477	0.503	5.00	0.506	pCi/L		02/23/24 16:53	1

Client Sample ID: 24010248-002
Date Collected: 01/23/24 13:04
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.644**		0.237	0.244	1.00	0.234	pCi/L	01/30/24 10:21	02/22/24 18:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*40.7*		*30 - 110*	*01/30/24 10:21*	*02/22/24 18:06*	*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	**2.67**	**G**	0.962	0.993	1.00	1.17	pCi/L	02/08/24 10:22	02/14/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.3*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/08/24 10:22*	*02/14/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**3.31**		0.991	1.02	5.00	1.17	pCi/L		02/23/24 16:53	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-003

Lab Sample ID: 160-52944-3
Date Collected: 01/23/24 13:52
Matrix: Water
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177		0.120	0.121	1.00	0.170	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*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	1.82		0.584	0.608	1.00	0.660	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*87.9*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*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	2.00		0.596	0.620	5.00	0.660	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-004

Lab Sample ID: 160-52944-4
Date Collected: 01/16/24 12:22
Matrix: Water
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.554		0.219	0.224	1.00	0.224	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*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	4.36	G	1.23	1.30	1.00	1.41	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*82.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*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	4.91		1.25	1.32	5.00	1.41	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-005

Date Collected: 01/23/24 09:24
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.200		0.135	0.137	1.00	0.193	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.9*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*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	1.38		0.652	0.664	1.00	0.895	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.9*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*80.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*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	1.58		0.666	0.678	5.00	0.895	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-006

Date Collected: 01/23/24 10:04
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.451		0.123	0.129	1.00	0.0986	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*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	1.90		0.518	0.547	1.00	0.553	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*1*
Y Carrier	*82.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:48*	*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	2.35		0.532	0.562	5.00	0.553	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-007

Lab Sample ID: 160-52944-7
Matrix: Water
Date Collected: 01/23/24 11:29
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.941		0.246	0.261	1.00	0.199	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	62.6		30 - 110	01/30/24 09:59	02/21/24 07:39	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	2.10		0.754	0.778	1.00	0.882	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	62.6		30 - 110	01/30/24 10:05	02/08/24 11:48	1
Y Carrier	86.0		30 - 110	01/30/24 10:05	02/08/24 11:48	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	3.05		0.793	0.821	5.00	0.882	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-008

Lab Sample ID: 160-52944-8
Matrix: Water
Date Collected: 01/18/24 11:21
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.743		0.298	0.305	1.00	0.311	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	50.4		30 - 110	01/30/24 09:59	02/21/24 07:39	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	5.92	G	1.67	1.76	1.00	1.87	pCi/L	01/30/24 10:05	02/08/24 11:48	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	50.4		30 - 110	01/30/24 10:05	02/08/24 11:48	1
Y Carrier	86.0		30 - 110	01/30/24 10:05	02/08/24 11:48	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	6.67		1.70	1.79	5.00	1.87	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-009
Date Collected: 01/23/24 12:23
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.02		0.229	0.247	1.00	0.201	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*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	2.06		0.669	0.695	1.00	0.779	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*80.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.08		0.707	0.738	5.00	0.779	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-010
Date Collected: 01/23/24 14:39
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.393		0.177	0.180	1.00	0.219	pCi/L	01/30/24 09:59	02/21/24 07:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.8*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:39*	*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	1.54		0.667	0.682	1.00	0.873	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.8*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*82.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.93		0.690	0.705	5.00	0.873	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-011
Date Collected: 01/16/24 10:37
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.614		0.324	0.329	1.00	0.418	pCi/L	01/30/24 09:59	02/21/24 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 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	3.31	G	1.75	1.77	1.00	2.51	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*42.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*86.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.92		1.78	1.80	5.00	2.51	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-012
Date Collected: 01/16/24 13:20
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.131		0.0801	0.0810	1.00	0.106	pCi/L	01/30/24 09:59	02/21/24 07:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.06		0.482	0.492	1.00	0.665	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*84.5*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.19		0.489	0.499	5.00	0.665	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-013
Date Collected: 01/17/24 13:34
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160		0.0852	0.0864	1.00	0.104	pCi/L	01/30/24 09:59	02/21/24 07:34	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110	01/30/24 09:59	02/21/24 07:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.15		0.503	0.514	1.00	0.673	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110	01/30/24 10:05	02/08/24 11:47	1
Y Carrier	80.4		30 - 110	01/30/24 10:05	02/08/24 11:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.31		0.510	0.521	5.00	0.673	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-014
Date Collected: 01/17/24 14:27
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.196		0.0930	0.0947	1.00	0.108	pCi/L	01/30/24 09:59	02/21/24 09:22	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110	01/30/24 09:59	02/21/24 09:22	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	1.42		0.534	0.550	1.00	0.663	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110	01/30/24 10:05	02/08/24 11:47	1
Y Carrier	74.0		30 - 110	01/30/24 10:05	02/08/24 11:47	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.62		0.542	0.558	5.00	0.663	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-015

Lab Sample ID: 160-52944-15
Date Collected: 01/18/24 10:14
Matrix: Water
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.881		0.286	0.297	1.00	0.284	pCi/L	01/30/24 09:59	02/21/24 09:22	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	42.2		30 - 110	01/30/24 09:59	02/21/24 09:22	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	3.76	G	1.30	1.34	1.00	1.54	pCi/L	01/30/24 10:05	02/08/24 11:45	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	42.2		30 - 110	01/30/24 10:05	02/08/24 11:45	1
Y Carrier	77.4		30 - 110	01/30/24 10:05	02/08/24 11:45	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	4.64		1.33	1.37	5.00	1.54	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-016

Lab Sample ID: 160-52944-16
Date Collected: 01/17/24 12:06
Matrix: Water
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.748		0.181	0.193	1.00	0.126	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110	01/30/24 09:59	02/21/24 09:21	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.79		0.610	0.632	1.00	0.739	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110	01/30/24 10:05	02/08/24 11:46	1
Y Carrier	86.4		30 - 110	01/30/24 10:05	02/08/24 11:46	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.54		0.636	0.661	5.00	0.739	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-017

Lab Sample ID: 160-52944-17
Date Collected: 01/17/24 10:25
Matrix: Water
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.45		0.248	0.280	1.00	0.125	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.93		0.806	0.850	1.00	0.885	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*76.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	4.37		0.843	0.895	5.00	0.885	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-018

Lab Sample ID: 160-52944-18
Date Collected: 01/16/24 14:45
Matrix: Water
Date Received: 01/29/24 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.817		0.247	0.257	1.00	0.214	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*48.6*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.73	G	0.980	1.01	1.00	1.20	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*48.6*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*88.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.54		1.01	1.04	5.00	1.20	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-019
Date Collected: 01/26/24 10:15
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0147	U	0.0482	0.0483	1.00	0.0924	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.751**		0.363	0.370	1.00	0.497	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*84.1*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.766**		0.366	0.373	5.00	0.497	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-020
Date Collected: 01/18/24 13:35
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.147**		0.0771	0.0782	1.00	0.0926	pCi/L	01/30/24 09:59	02/21/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.05**		0.436	0.446	1.00	0.554	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*71.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.20**		0.443	0.453	5.00	0.554	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-021
Date Collected: 01/23/24 15:21
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0298	U	0.0520	0.0521	1.00	0.0923	pCi/L	01/30/24 09:59	02/21/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:20*	*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	0.365	U	0.338	0.339	1.00	0.532	pCi/L	01/30/24 10:05	02/08/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*
Y Carrier	*77.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:46*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.395	U	0.342	0.343	5.00	0.532	pCi/L		02/22/24 14:40	1

Client Sample ID: 24010248-022
Date Collected: 01/24/24 14:51
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0464	U	0.0468	0.0470	1.00	0.0714	pCi/L	01/30/24 09:59	02/21/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*01/30/24 09:59*	*02/21/24 09:20*	*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	**0.569**		0.366	0.370	1.00	0.547	pCi/L	01/30/24 10:05	02/08/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*
Y Carrier	*83.0*		*30 - 110*	*01/30/24 10:05*	*02/08/24 11:47*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.616**		0.369	0.373	5.00	0.547	pCi/L		02/22/24 14:40	1

Client Sample Results

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

Job ID: 160-52944-1

Client Sample ID: 24010248-023
Date Collected: 01/26/24 10:20
Date Received: 01/29/24 12:00

Lab Sample ID: 160-52944-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0247	U	0.0525	0.0525	1.00	0.123	pCi/L	01/30/24 10:07	02/21/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.7*		*30 - 110*	*01/30/24 10:07*	*02/21/24 09:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0849	U	0.295	0.295	1.00	0.529	pCi/L	01/30/24 10:19	02/12/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.7*		*30 - 110*	*01/30/24 10:19*	*02/12/24 11:55*	*1*
Y Carrier	*92.0*		*30 - 110*	*01/30/24 10:19*	*02/12/24 11:55*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0849	U	0.300	0.300	5.00	0.529	pCi/L		02/22/24 13:59	1

QC Sample Results

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

Job ID: 160-52944-1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-646067/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646067

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03682	U	0.0583	0.0584	1.00	0.101	pCi/L	01/30/24 09:59	02/21/24 07:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.8*		*30 - 110*	*01/30/24 09:59*	*02/21/24 07:27*	*1*

Lab Sample ID: LCS 160-646067/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646067

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.04		1.14	1.00	0.0891	pCi/L	97	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*30 - 110*

Lab Sample ID: 160-52944-12 DU
Matrix: Water
Analysis Batch: 649035

Client Sample ID: 24010248-012
Prep Type: Total/NA
Prep Batch: 646067

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.131			0.1207		0.0797	1.00	0.106	pCi/L			0.06	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*79.1*		*30 - 110*

Lab Sample ID: MB 160-646070/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646070

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0007762	U	0.0540	0.0540	1.00	0.112	pCi/L	01/30/24 10:07	02/21/24 09:26	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.0*		*30 - 110*	*01/30/24 10:07*	*02/21/24 09:26*	*1*

Lab Sample ID: LCS 160-646070/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646070

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	12.38		1.28	1.00	0.0957	pCi/L	109	75 - 125		

QC Sample Results

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

Job ID: 160-52944-1

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

Lab Sample ID: LCS 160-646070/2-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646070

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.3		30 - 110

Lab Sample ID: 160-52944-23 DU
Matrix: Water
Analysis Batch: 649033

Client Sample ID: 24010248-023
Prep Type: Total/NA
Prep Batch: 646070

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	-0.0247	U		0.007903	U	0.0661	1.00	0.129	pCi/L			0.27	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.5		30 - 110

Lab Sample ID: MB 160-646072/1-A
Matrix: Water
Analysis Batch: 649031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646072

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.008146	U	0.0397	0.0397	1.00	0.0882	pCi/L	01/30/24 10:21	02/21/24 18:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110	01/30/24 10:21	02/21/24 18:17	1

Lab Sample ID: LCS 160-646072/2-A
Matrix: Water
Analysis Batch: 649794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646072

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.778		1.01	1.00	0.0857	pCi/L	86	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.9		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-646068/1-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646068

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.04539	U	0.421	0.421	1.00	0.819	pCi/L	01/30/24 10:05	02/08/24 15:09	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	75.8		30 - 110	01/30/24 10:05	02/08/24 15:09	1

QC Sample Results

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

Job ID: 160-52944-1

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

Lab Sample ID: MB 160-646068/1-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646068

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	84.9		30 - 110	01/30/24 10:05	02/08/24 15:09	1

Lab Sample ID: LCS 160-646068/2-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646068

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.23	10.38		1.37	1.00	0.490	pCi/L	112	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.0		30 - 110
Y Carrier	88.6		30 - 110

Lab Sample ID: 160-52944-12 DU
Matrix: Water
Analysis Batch: 647336

Client Sample ID: 24010248-012
Prep Type: Total/NA
Prep Batch: 646068

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.06			1.363		0.550	1.00	0.668	pCi/L			0.29	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	79.1		30 - 110
Y Carrier	70.7		30 - 110

Lab Sample ID: MB 160-646071/1-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646071

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2745	U	0.275	0.276	1.00	0.441	pCi/L	01/30/24 10:19	02/12/24 11:55	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110	01/30/24 10:19	02/12/24 11:55	1
Y Carrier	88.2		30 - 110	01/30/24 10:19	02/12/24 11:55	1

Lab Sample ID: LCS 160-646071/2-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646071

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.22	10.05		1.34	1.00	0.482	pCi/L	109	75 - 125		

QC Sample Results

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

Job ID: 160-52944-1

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

Lab Sample ID: LCS 160-646071/2-A
Matrix: Water
Analysis Batch: 647898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646071

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.3		30 - 110
Y Carrier	87.9		30 - 110

Lab Sample ID: 160-52944-23 DU
Matrix: Water
Analysis Batch: 647898

Client Sample ID: 24010248-023
Prep Type: Total/NA
Prep Batch: 646071

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0849	U		0.6301		0.371	1.00	0.526	pCi/L			0.82	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.5		30 - 110
Y Carrier	84.5		30 - 110

Lab Sample ID: MB 160-647410/1-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 647410

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.9286		0.385	0.394	1.00	0.492	pCi/L	02/08/24 10:22	02/14/24 11:45	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110	02/08/24 10:22	02/14/24 11:45	1
Y Carrier	85.2		30 - 110	02/08/24 10:22	02/14/24 11:45	1

Lab Sample ID: LCS 160-647410/2-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 647410

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.21	11.01		1.50	1.00	0.643	pCi/L	119	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	78.3		30 - 110
Y Carrier	86.0		30 - 110

Lab Sample ID: LCSD 160-647410/3-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 647410

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.21	11.92		1.61	1.00	0.663	pCi/L	129	75 - 125	0.29	1

QC Sample Results

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

Job ID: 160-52944-1

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

Lab Sample ID: LCSD 160-647410/3-A
Matrix: Water
Analysis Batch: 648133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 647410

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	75.3		30 - 110
Y Carrier	86.0		30 - 110

QC Association Summary

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

Job ID: 160-52944-1

Rad

Prep Batch: 646067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-3	24010248-003	Total/NA	Water	PrecSep-21	
160-52944-4	24010248-004	Total/NA	Water	PrecSep-21	
160-52944-5	24010248-005	Total/NA	Water	PrecSep-21	
160-52944-6	24010248-006	Total/NA	Water	PrecSep-21	
160-52944-7	24010248-007	Total/NA	Water	PrecSep-21	
160-52944-8	24010248-008	Total/NA	Water	PrecSep-21	
160-52944-9	24010248-009	Total/NA	Water	PrecSep-21	
160-52944-10	24010248-010	Total/NA	Water	PrecSep-21	
160-52944-11	24010248-011	Total/NA	Water	PrecSep-21	
160-52944-12	24010248-012	Total/NA	Water	PrecSep-21	
160-52944-13	24010248-013	Total/NA	Water	PrecSep-21	
160-52944-14	24010248-014	Total/NA	Water	PrecSep-21	
160-52944-15	24010248-015	Total/NA	Water	PrecSep-21	
160-52944-16	24010248-016	Total/NA	Water	PrecSep-21	
160-52944-17	24010248-017	Total/NA	Water	PrecSep-21	
160-52944-18	24010248-018	Total/NA	Water	PrecSep-21	
160-52944-19	24010248-019	Total/NA	Water	PrecSep-21	
160-52944-20	24010248-020	Total/NA	Water	PrecSep-21	
160-52944-21	24010248-021	Total/NA	Water	PrecSep-21	
160-52944-22	24010248-022	Total/NA	Water	PrecSep-21	
MB 160-646067/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646067/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52944-12 DU	24010248-012	Total/NA	Water	PrecSep-21	

Prep Batch: 646068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-3	24010248-003	Total/NA	Water	PrecSep_0	
160-52944-4	24010248-004	Total/NA	Water	PrecSep_0	
160-52944-5	24010248-005	Total/NA	Water	PrecSep_0	
160-52944-6	24010248-006	Total/NA	Water	PrecSep_0	
160-52944-7	24010248-007	Total/NA	Water	PrecSep_0	
160-52944-8	24010248-008	Total/NA	Water	PrecSep_0	
160-52944-9	24010248-009	Total/NA	Water	PrecSep_0	
160-52944-10	24010248-010	Total/NA	Water	PrecSep_0	
160-52944-11	24010248-011	Total/NA	Water	PrecSep_0	
160-52944-12	24010248-012	Total/NA	Water	PrecSep_0	
160-52944-13	24010248-013	Total/NA	Water	PrecSep_0	
160-52944-14	24010248-014	Total/NA	Water	PrecSep_0	
160-52944-15	24010248-015	Total/NA	Water	PrecSep_0	
160-52944-16	24010248-016	Total/NA	Water	PrecSep_0	
160-52944-17	24010248-017	Total/NA	Water	PrecSep_0	
160-52944-18	24010248-018	Total/NA	Water	PrecSep_0	
160-52944-19	24010248-019	Total/NA	Water	PrecSep_0	
160-52944-20	24010248-020	Total/NA	Water	PrecSep_0	
160-52944-21	24010248-021	Total/NA	Water	PrecSep_0	
160-52944-22	24010248-022	Total/NA	Water	PrecSep_0	
MB 160-646068/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-646068/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52944-12 DU	24010248-012	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-52944-1

Rad

Prep Batch: 646070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-23	24010248-023	Total/NA	Water	PrecSep-21	
MB 160-646070/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646070/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52944-23 DU	24010248-023	Total/NA	Water	PrecSep-21	

Prep Batch: 646071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-23	24010248-023	Total/NA	Water	PrecSep_0	
MB 160-646071/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-646071/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52944-23 DU	24010248-023	Total/NA	Water	PrecSep_0	

Prep Batch: 646072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-1	24010248-001	Total/NA	Water	PrecSep-21	
160-52944-2	24010248-002	Total/NA	Water	PrecSep-21	
MB 160-646072/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-646072/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 647410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52944-1	24010248-001	Total/NA	Water	PrecSep_0	
160-52944-2	24010248-002	Total/NA	Water	PrecSep_0	
MB 160-647410/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-647410/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-647410/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-52944-1

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)
160-52944-1	24010248-001	94.4
160-52944-2	24010248-002	40.7
160-52944-3	24010248-003	83.7
160-52944-4	24010248-004	74.6
160-52944-5	24010248-005	79.9
160-52944-6	24010248-006	83.7
160-52944-7	24010248-007	62.6
160-52944-8	24010248-008	50.4
160-52944-9	24010248-009	81.2
160-52944-10	24010248-010	71.8
160-52944-11	24010248-011	42.7
160-52944-12	24010248-012	81.4
160-52944-12 DU	24010248-012	79.1
160-52944-13	24010248-013	78.4
160-52944-14	24010248-014	79.6
160-52944-15	24010248-015	42.2
160-52944-16	24010248-016	83.0
160-52944-17	24010248-017	79.1
160-52944-18	24010248-018	48.6
160-52944-19	24010248-019	94.1
160-52944-20	24010248-020	91.9
160-52944-21	24010248-021	83.7
160-52944-22	24010248-022	99.2
160-52944-23	24010248-023	82.7
160-52944-23 DU	24010248-023	86.5
LCS 160-646067/2-A	Lab Control Sample	87.0
LCS 160-646070/2-A	Lab Control Sample	86.3
LCS 160-646072/2-A	Lab Control Sample	93.9
MB 160-646067/1-A	Method Blank	75.8
MB 160-646070/1-A	Method Blank	88.0
MB 160-646072/1-A	Method Blank	91.9

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)
160-52944-1	24010248-001	88.8	87.1
160-52944-2	24010248-002	77.3	83.7
160-52944-3	24010248-003	83.7	87.9
160-52944-4	24010248-004	74.6	82.6
160-52944-5	24010248-005	79.9	80.4
160-52944-6	24010248-006	83.7	82.6
160-52944-7	24010248-007	62.6	86.0
160-52944-8	24010248-008	50.4	86.0
160-52944-9	24010248-009	81.2	80.7

Tracer/Carrier Summary

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

Job ID: 160-52944-1

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)
160-52944-10	24010248-010	71.8	82.2
160-52944-11	24010248-011	42.7	86.0
160-52944-12	24010248-012	81.4	84.5
160-52944-12 DU	24010248-012	79.1	70.7
160-52944-13	24010248-013	78.4	80.4
160-52944-14	24010248-014	79.6	74.0
160-52944-15	24010248-015	42.2	77.4
160-52944-16	24010248-016	83.0	86.4
160-52944-17	24010248-017	79.1	76.6
160-52944-18	24010248-018	48.6	88.2
160-52944-19	24010248-019	94.1	84.1
160-52944-20	24010248-020	91.9	71.0
160-52944-21	24010248-021	83.7	77.0
160-52944-22	24010248-022	99.2	83.0
160-52944-23	24010248-023	82.7	92.0
160-52944-23 DU	24010248-023	86.5	84.5
LCS 160-646068/2-A	Lab Control Sample	87.0	88.6
LCS 160-646071/2-A	Lab Control Sample	86.3	87.9
LCS 160-647410/2-A	Lab Control Sample	78.3	86.0
LCSD 160-647410/3-A	Lab Control Sample Dup	75.3	86.0
MB 160-646068/1-A	Method Blank	75.8	84.9
MB 160-646071/1-A	Method Blank	88.0	88.2
MB 160-647410/1-A	Method Blank	90.3	85.2

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW02	1/18/2024	13:26	7.99	8.5	47.3	6.61	3,241.7	1.85	22.36	65.0
APW02	1/18/2024	13:29	7.99	8.4	47.1	6.60	3,218.1	1.79	25.10	66.0
APW02	1/18/2024	13:32	7.99	8.5	47.3	6.60	3,210.4	1.76	23.16	66.7
APW02	1/18/2024	13:35	7.99	8.6	47.5	6.59	3,220.6	1.71	21.81	67.4

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW03	1/23/2024	12:55	5.65	9.5	49.1	6.84	816.2	0.90	22.36	28.4
APW03	1/23/2024	12:58	5.65	9.4	48.9	6.84	817.6	0.86	18.43	29.3
APW03	1/23/2024	13:01	5.65	9.2	48.6	6.84	815.1	0.83	16.55	30.3
APW03	1/23/2024	13:04	5.65	9.1	48.4	6.83	813.6	0.82	15.12	31.4

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW04	1/23/2024	13:43	4.91	9.2	48.6	6.77	1,607.3	1.21	35.99	90.5
APW04	1/23/2024	13:46	4.91	9.0	48.2	6.76	1,602.6	1.13	32.94	89.7
APW04	1/23/2024	13:49	4.91	8.7	47.7	6.76	1,594.9	1.11	29.79	89.3
APW04	1/23/2024	13:52	4.91	8.3	46.9	6.76	1,592.7	1.08	27.38	89.0

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW05	1/16/2024	12:16	14.29	7.2	45.0	7.29	912.4	2.37	268.97	100.8
APW05	1/16/2024	12:19	14.29	7.0	44.6	7.33	911.4	2.19	283.81	88.1
APW05	1/16/2024	12:22	14.29	7.1	44.8	7.36	909.6	2.13	297.05	73.8

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW05S	1/23/2024	9:15	12.03	10.5	50.9	6.68	2,655.1	1.40	23.90	138.3
APW05S	1/23/2024	9:18	12.03	9.8	49.6	6.69	2,626.3	1.32	19.46	138.9
APW05S	1/23/2024	9:21	12.03	9.4	48.9	6.70	2,598.9	1.25	17.41	139.4
APW05S	1/23/2024	9:24	12.03	9.1	48.4	6.70	2,573.8	1.23	15.64	139.9

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW06	1/23/2024	9:55	19.55	13.7	56.7	7.54	785.5	1.40	13.98	72.2
APW06	1/23/2024	9:58	19.55	13.8	56.8	7.54	785.3	1.14	21.89	51.9
APW06	1/23/2024	10:01	19.55	13.9	57.0	7.54	785.2	1.02	29.91	33.6
APW06	1/23/2024	10:04	19.55	14.0	57.2	7.55	783.8	0.95	40.60	17.4

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW07	1/23/2024	11:11	47.72	10.3	50.5	7.02	763.7	3.46	31.22	77.8
APW07	1/23/2024	11:14	47.72	10.1	50.2	7.01	764.1	3.38	27.53	78.5
APW07	1/23/2024	11:17	47.72	10.2	50.4	7.01	764.6	3.28	25.46	79.1
APW07	1/23/2024	11:20	47.72	10.5	50.9	7.01	767.2	3.23	24.01	79.5
APW07	1/23/2024	11:23	47.72	10.8	51.4	7.01	770.3	3.20	22.06	79.9
APW07	1/23/2024	11:26	47.72	11.2	52.2	7.01	773.9	3.14	19.78	80.3
APW07	1/23/2024	11:29	47.72	11.5	52.7	7.01	781.2	3.13	17.65	80.9

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW08	1/18/2024	11:00	38.44	11.9	53.4	7.06	814.8	3.38	65.10	11.4
APW08	1/18/2024	11:03	38.44	11.9	53.4	7.07	815.4	3.39	65.59	8.2
APW08	1/18/2024	11:06	38.44	11.7	53.1	7.07	814.8	5.71	110.06	5.4
APW08	1/18/2024	11:09	38.44	11.8	53.2	7.08	813.0	4.00	220.18	0.6
APW08	1/18/2024	11:12	38.44	12.0	53.6	7.11	813.3	7.13	261.94	-6.8
APW08	1/18/2024	11:15	38.44	11.9	53.4	7.13	813.9	2.26	267.74	-15.7
APW08	1/18/2024	11:18	38.44	12.1	53.8	7.13	811.4	2.18	265.02	-25.2
APW08	1/18/2024	11:21	38.44	11.9	53.4	7.14	811.9	2.00	204.06	-33.6

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW09	1/23/2024	12:11	27.73	11.4	52.5	7.42	1,146.9	0.95	35.03	56.7
APW09	1/23/2024	12:14	27.73	11.5	52.7	7.41	1,170.1	0.80	31.80	37.5
APW09	1/23/2024	12:17	27.73	11.6	52.9	7.41	1,183.9	0.70	29.60	17.9
APW09	1/23/2024	12:20	27.73	11.6	52.9	7.41	1,199.1	0.64	25.98	-1.9
APW09	1/23/2024	12:23	27.73	11.5	52.7	7.41	1,205.6	0.60	23.87	-20.4

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW10	1/23/2024	14:30	18.87	12.9	55.2	7.13	1,281.4	0.43	22.72	87.9
APW10	1/23/2024	14:33	18.87	13.1	55.6	7.13	1,283.1	0.40	17.26	86.2
APW10	1/23/2024	14:36	18.87	13.0	55.4	7.13	1,283.3	0.38	9.45	84.8
APW10	1/23/2024	14:39	18.87	13.0	55.4	7.13	1,283.2	0.37	7.08	83.4

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW11	1/16/2024	10:19	25.51	11.6	52.9	6.86	1,274.8	0.91	233.94	88.5
APW11	1/16/2024	10:22	25.51	11.6	52.9	6.87	1,274.8	0.76	306.73	77.8
APW11	1/16/2024	10:25	25.51	11.8	53.2	6.88	1,273.6	0.69	235.99	68.2
APW11	1/16/2024	10:28	25.51	11.6	52.9	6.89	1,267.0	0.64	354.94	59.5
APW11	1/16/2024	10:31	25.51	11.7	53.1	6.90	1,264.7	0.61	266.36	51.3
APW11	1/16/2024	10:34	25.51	11.7	53.1	6.91	1,261.2	0.59	238.15	43.8
APW11	1/16/2024	10:37	25.51	11.7	53.1	6.92	1,257.2	0.56	261.81	36.8

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW12	1/16/2024	13:14	16.13	12.8	55.0	6.48	1,781.7	4.42	6.60	137.8
APW12	1/16/2024	13:17	16.13	13.0	55.4	6.43	1,947.1	2.53	5.62	135.6
APW12	1/16/2024	13:20	16.13	12.9	55.2	6.43	2,003.7	1.88	3.15	132.8

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW13	1/17/2024	13:25	33.81	12.9	55.2	7.08	1,405.1	1.11	17.44	35.1
APW13	1/17/2024	13:28	33.81	12.8	55.0	7.07	1,397.5	0.95	17.51	26.1
APW13	1/17/2024	13:31	33.81	12.9	55.2	7.06	1,390.4	0.86	13.82	17.0
APW13	1/17/2024	13:34	33.81	12.8	55.0	7.06	1,386.6	0.84	12.53	8.6

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW14	1/17/2024	14:18	22.29	11.6	52.9	7.17	1,464.9	0.86	19.43	19.5
APW14	1/17/2024	14:21	22.29	11.8	53.2	7.16	1,463.3	0.75	17.11	6.2
APW14	1/17/2024	14:24	22.29	11.7	53.1	7.16	1,464.3	0.69	15.06	-5.9
APW14	1/17/2024	14:27	22.29	11.6	52.9	7.16	1,464.5	0.64	13.03	-16.3

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW15	1/18/2024	10:05	21.33	13.0	55.4	6.89	1,445.4	0.38	52.35	-72.8
APW15	1/18/2024	10:08	21.33	12.9	55.2	6.89	1,444.7	0.36	61.37	-81.5
APW15	1/18/2024	10:11	21.33	13.0	55.4	6.89	1,442.0	0.34	61.76	-88.2
APW15	1/18/2024	10:14	21.33	13.1	55.6	6.89	1,439.6	0.33	60.71	-93.6

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW16	1/17/2024	11:57	41.31	11.8	53.2	7.31	1,263.3	0.74	20.49	-63.6
APW16	1/17/2024	12:00	41.31	11.5	52.7	7.31	1,263.4	0.66	15.48	-73.0
APW16	1/17/2024	12:03	41.31	11.8	53.2	7.31	1,264.6	0.61	12.74	-80.7
APW16	1/17/2024	12:06	41.31	11.8	53.2	7.31	1,266.0	0.57	10.82	-86.9

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW17	1/17/2024	10:07	42.31	10.1	50.2	7.29	1,155.6	1.95	43.74	29.7
APW17	1/17/2024	10:10	42.31	10.4	50.7	7.29	1,158.5	1.47	38.51	20.7
APW17	1/17/2024	10:13	42.31	10.0	50.0	7.30	1,157.7	1.16	33.44	9.3
APW17	1/17/2024	10:16	42.31	10.2	50.4	7.30	1,158.2	0.98	27.12	-3.5
APW17	1/17/2024	10:19	42.31	10.1	50.2	7.30	1,151.4	0.87	22.56	-15.2
APW17	1/17/2024	10:22	42.31	10.2	50.4	7.30	1,158.0	0.81	19.13	-26.8
APW17	1/17/2024	10:25	42.31	10.3	50.5	7.30	1,150.0	0.75	16.39	-36.9

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW18	1/16/2024	14:18	52.91	10.5	50.9	7.63	969.2	4.12	54.21	18.1
APW18	1/16/2024	14:21	52.91	10.5	50.9	7.63	968.8	3.82	50.48	-7.0
APW18	1/16/2024	14:24	52.91	10.6	51.1	7.64	968.9	3.57	45.83	-25.7
APW18	1/16/2024	14:27	52.91	10.6	51.1	7.64	969.6	3.41	42.43	-35.0
APW18	1/16/2024	14:30	52.91	10.6	51.1	7.64	968.7	3.35	39.90	-42.6
APW18	1/16/2024	14:33	52.91	10.7	51.3	7.65	968.9	3.27	36.78	-48.7
APW18	1/16/2024	14:36	52.91	10.7	51.3	7.65	967.8	3.21	33.30	-52.1
APW18	1/16/2024	14:39	52.91	10.6	51.1	7.65	967.5	3.18	30.59	-54.5
APW18	1/16/2024	14:42	52.91	10.8	51.4	7.65	967.8	3.14	27.06	-57.3
APW18	1/16/2024	14:45	52.91	10.7	51.3	7.66	967.8	3.05	26.51	-59.7

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01-pore	1/16/2024	14:09	10.72	15.1	59.2	12.49	11,153.1	0.23	204.13	-203.7
XPW01-pore	1/16/2024	14:12	10.72	15.1	59.2	12.49	11,143.9	0.22	153.32	-207.4
XPW01-pore	1/16/2024	14:15	10.72	15.1	59.2	12.49	11,143.3	0.21	137.58	-211.0
XPW01-pore	1/16/2024	14:18	10.72	15.2	59.4	12.49	11,170.2	0.21	111.82	-214.6
XPW01-pore	1/16/2024	14:21	10.72	15.2	59.4	12.50	11,158.2	0.20	129.59	-217.8

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02-pore	1/16/2024	12:56	6.72	14.0	57.2	9.85	593.1	0.56	31.73	-127.9
XPW02-pore	1/16/2024	12:59	6.72	14.1	57.4	9.83	592.7	0.49	21.71	-138.9
XPW02-pore	1/16/2024	13:02	6.72	14.1	57.4	9.81	595.1	0.44	19.89	-148.9
XPW02-pore	1/16/2024	13:05	6.72	13.7	56.7	9.82	596.9	0.41	14.88	-157.8

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW03-pore	1/16/2024	12:00	9.97	14.9	58.8	11.79	1,633.9	0.59	565.83	-141.8
XPW03-pore	1/16/2024	12:03	9.97	15.1	59.2	11.79	1,639.2	0.52	385.92	-144.7
XPW03-pore	1/16/2024	12:06	9.97	15.0	59.0	11.80	1,645.0	0.47	334.73	-147.0
XPW03-pore	1/16/2024	12:09	9.97	15.1	59.2	11.80	1,650.6	0.44	283.63	-149.1
XPW03-pore	1/16/2024	12:12	9.97	15.2	59.4	11.80	1,653.7	0.42	241.07	-151.0

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW04-pore	1/16/2024	11:14	12.24	14.3	57.7	11.68	13,510.3	0.66	12.99	-109.0
XPW04-pore	1/16/2024	11:17	12.24	14.3	57.7	11.70	13,541.5	0.53	8.78	-125.2
XPW04-pore	1/16/2024	11:20	12.24	14.5	58.1	11.70	13,538.6	0.46	7.01	-138.6
XPW04-pore	1/16/2024	11:23	12.24	14.5	58.1	11.71	13,603.2	0.42	6.19	-149.9

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG01	1/15/2024	12:48	5.70	DTW Only						

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
YSG02	1/15/2024	10:17	3.75	DTW Only						

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	1/26/2024	10:15	QA/QC Sample							

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
APW02 Duplicate	1/18/2024	13:26	7.99	8.5	47.3	6.61	3,241.7	1.85	22.36	65.0
APW02 Duplicate	1/18/2024	13:29	7.99	8.4	47.1	6.60	3,218.1	1.79	25.10	66.0
APW02 Duplicate	1/18/2024	13:32	7.99	8.5	47.3	6.60	3,210.4	1.76	23.16	66.7
APW02 Duplicate	1/18/2024	13:35	7.99	8.6	47.5	6.59	3,220.6	1.71	21.81	67.4

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	1/23/2024	15:21	QA/QC Sample							

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 2	1/24/2024	14:51	QA/QC Sample							

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Newton- 1Q 2024

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 3	1/26/2024	10:20	QA/QC Sample							

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 1Q 2024

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 45600
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	1/16/24 9:51
7.0 Buffer	WC230616F	7.00	1/16/24 9:57
10.0 Buffer	WC231027D	10.00	1/16/24 10:00
LCS (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/16/24 10:02

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/16/24 10:04	11.5	7.09	1,407	2.03	
CCV (Mid Day)	1/16/24 12:53	10.9	7.08	1,423	0.68	
CCV	1/16/24 15:11	10.6	7.07	1,530	2.32	

Field Meter ID: Pine 45600
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	1/17/24 9:14
7.0 Buffer	WC230616F	7.00	1/17/24 9:15
10.0 Buffer	WC231027D	10.00	1/17/24 9:16
LCS (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/17/24 9:18

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/17/24 9:20	14.5	7.08	1,414	2.05	
CCV (Mid Day)	1/17/24 14:03	14.3	7.09	1,453	2.87	
CCV	1/17/24 15:07	14.6	7.04	1,358	3.45	

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 1Q 2024

Field Meter ID: Pine 45600
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	1/18/24 8:51
7.0 Buffer	WC230616F	7.03	1/18/24 8:52
10.0 Buffer	WC231027D	10.00	1/18/24 8:55
LCS (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/18/24 9:08

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/18/24 9:13	17.7	7.09	1,409	0.83	
CCV (Mid Day)	1/18/24 12:19	17.9	7.08	1,411	1.1	
CCV	1/18/24 15:50	18	7.10	1,414	1.66	

Field Meter ID: Pine 45600
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.01	1/23/24 8:36
7.0 Buffer	WC230616F	7.00	1/23/24 8:38
10.0 Buffer	WC231027D	10.00	1/23/24 8:43
LCS (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/23/24 8:44

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/23/24 8:48	3.6	7.08	1,409	2.87	
CCV (Mid Day)	1/23/24 11:41	11.3	7.05	1,416	0.98	
CCV	1/23/24 15:13	14.1	7.03	1,421	1.1	

Field Meter ID: Pine 45600
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.00	1/24/24 8:57
7.0 Buffer	WC230616F	7.00	1/24/24 9:01
10.0 Buffer	WC231027D	10.00	1/24/24 9:03
LCS (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/24/24 9:10

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/24/24 9:13	19.3	7.10	1,410	2.02	
CCV (Mid Day)	1/24/24 11:21	19.6	7.05	1,422	1.86	
CCV	1/24/24 14:44	20.1	7.08	1,480	1.68	

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 1Q 2024

Field Meter ID: Pine 45600
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.00	1/25/24 10:23
7.0 Buffer	WC230616F	7.00	1/25/24 10:24
10.0 Buffer	WC231027D	10.00	1/25/24 10:25
LCS (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/25/24 10:15

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/25/24 10:26	19.4	7.09	1,421	1.62	
CCV (Mid Day)	1/25/24 12:44	19.1	7.07	1,410	1.11	
CCV	1/25/24 15:33	19	7.09	1,367	2.14	

Field Meter ID:
Technician:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS						
CCV (Mid Day)						
CCV						

Field Meter ID:
Technician:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS						
CCV (Mid Day)						
CCV						

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 1Q 2024

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 45720
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	1/16/24 8:10
7.0 Buffer	wc230616f	7.01	1/16/24 8:16
10.0 Buffer	wc231027d	10.01	1/16/24 8:21
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1415	1/16/24 8:26

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/16/24 8:30	17.4	7.01	1,419	1.81	
CCV (Mid Day)	1/16/24 12:06	17.3	7.05	1,420	1.08	
CCV	1/16/24 14:55	17.1	7.03	1,444	2.49	

Field Meter ID: Pine 45720
Technician: Brett Gillihan

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc23080b	4.01	1/17/24 9:14
7.0 Buffer	wc230616f	7.00	1/17/24 9:21
10.0 Buffer	wc231027d	10.03	1/17/24 9:29
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1416	1/17/24 9:32

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/17/24 9:33	17.2	7.01	1,420	2.22	
CCV (Mid Day)	1/17/24 11:50	18	7.00	1,423	1.89	
CCV	1/17/24 14:50	18.12	7.00	1,449	2.67	

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 1Q 2024

Field Meter ID: Pine 45720
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc23080b	4.00	1/18/24 8:49
7.0 Buffer	wc230616f	7.03	1/18/24 8:52
10.0 Buffer	wc231027d	10.00	1/18/24 8:55
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1412	1/18/24 9:11

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/18/24 9:15	17.8	7.08	1,398	2.36	
CCV (Mid Day)	1/18/24 12:56	18.1	7.04	1,392	2.21	
CCV	1/18/24 15:00	18	7.05	1,389	2.35	

Field Meter ID: Pine 45720
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	1/23/24 11:14
7.0 Buffer	wc230616f	7.02	1/23/24 11:17
10.0 Buffer	wc231027d	9.99	1/23/24 11:22
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1414	1/23/24 11:27

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/23/24 11:32	17.3	7.03	1,421	2.23	
CCV (Mid Day)	-	-	-	-	-	
CCV	1/23/24 14:57	16.8	7.03	1,444	2.89	

Field Meter ID: Pine 45720
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	1/24/24 8:26
7.0 Buffer	wc230616f	7.02	1/24/24 8:31
10.0 Buffer	wc231027d	10.01	1/24/24 8:35
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1417	1/24/24 8:40

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/24/24 8:45	17.3	7.03	1,424	3.03	
CCV (Mid Day)	1/24/24 12:02	17.5	7.04	1,431	2.98	
CCV	1/24/24 14:17	16.4	7.04	1,439	2.97	

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Newton- 1Q 2024

Field Meter ID: Pine 45720
Technician: justin colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	1/25/24 8:26
7.0 Buffer	wc230616f	7.02	1/25/24 8:30
10.0 Buffer	wc231027d	9.98	1/25/24 8:34
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1414	1/25/24 8:40

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/25/24 8:46	18.2	7.02	1,420	2.2	
CCV (Mid Day)	1/25/24 11:33	18	7.01	1,430	1.96	
CCV	1/25/24 15:24	17.5	7.04	1,437	2.8	

Field Meter ID: Pine 45720
Technician: justin colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	1/26/24 8:25
7.0 Buffer	wc230616f	7.02	1/26/24 8:29
10.0 Buffer	wc231027d	10.00	1/26/24 8:33
LCS (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	95009	1416	1/26/24 8:38

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS	1/26/24 8:42	18.4	7.01	1,423	2.15	
CCV (Mid Day)	-	-	-	-	-	
CCV	1/26/24 10:41	17.7	7.02	1,433	2.19	

Field Meter ID:
Technician:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	Comments
LCS						
CCV (Mid Day)						
CCV						

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID
A207	1/15/2024	13:54	DTW only							36.20	
A213	1/24/2024	09:35	11.1	52.0	6.73	2,185.1	4.24	3.30	171.2	17.59	45720
A214	1/24/2024	10:14	13.0	55.4	7.19	1,051.2	0.98	66.90	113.1	41.66	45600
A215	1/24/2024	11:38	13.4	56.1	7.05	2,564.9	0.49	28.91	-62.6	44.81	45600
APW02	1/18/2024	13:35	8.6	47.5	6.59	3,220.6	1.71	21.81	67.4	7.99	45600
APW03	1/23/2024	13:04	9.1	48.4	6.83	813.6	0.82	15.12	31.4	5.65	45600
APW04	1/23/2024	13:52	8.3	46.9	6.76	1,592.7	1.08	27.38	89	4.91	45600
APW05	1/16/2024	12:22	7.1	44.8	7.36	909.6	2.13	297.05	73.8	14.29	45720
APW05S	1/23/2024	09:24	9.1	48.4	6.70	2,573.8	1.23	15.64	139.9	12.03	45600
APW06	1/23/2024	10:04	14.0	57.2	7.55	783.8	0.95	40.60	17.4	19.55	45600
APW07	1/23/2024	11:29	11.5	52.7	7.01	781.2	3.13	17.65	80.9	47.72	45600
APW08	1/18/2024	11:21	11.9	53.4	7.14	811.9	2.00	204.06	-33.6	38.44	45600
APW09	1/23/2024	12:23	11.5	52.7	7.41	1,205.6	0.60	23.87	-20.4	27.73	45600
APW10	1/23/2024	14:39	13.0	55.4	7.13	1,283.2	0.37	7.08	83.4	18.87	45600
APW11	1/16/2024	10:37	11.7	53.1	6.92	1,257.2	0.56	261.81	36.8	25.51	45600
APW12	1/16/2024	13:20	12.9	55.2	6.43	2,003.7	1.88	3.15	132.8	16.13	45720
APW13	1/17/2024	13:34	12.8	55.0	7.06	1,386.6	0.84	12.53	8.6	33.81	45600
APW14	1/17/2024	14:27	11.6	52.9	7.16	1,464.5	0.64	13.03	-16.3	22.29	45600
APW15	1/18/2024	10:14	13.1	55.6	6.89	1,439.6	0.33	60.71	-93.6	21.33	45600
APW16	1/17/2024	12:06	11.8	53.2	7.31	1,266.0	0.57	10.82	-86.9	41.31	45600
APW17	1/17/2024	10:25	10.3	50.5	7.30	1,150.0	0.75	16.39	-36.9	42.31	45600
APW18	1/16/2024	14:45	10.7	51.3	7.66	967.8	3.05	26.51	-59.7	52.91	45720
G006D	1/25/2024	10:00	10.7	51.3	6.94	1,259.4	1.46	119.84	131.3	30.00	45720
G048MG											
G104	1/25/2024	11:30	11.1	52.0	6.98	1,128.1	6.70	4.91	137.2	7.58	45720
G104S	1/15/2024	10:17	DTW only							8.18	
G104D	1/15/2024	10:15	DTW only							50.19	
G105	1/25/2024	10:46	10.4	50.7	6.58	1,710.1	0.91	12.71	-7.9	14.95	45600
G106	1/25/2024	09:29	10.5	50.9	6.73	2,984.4	6.68	5.79	141.6	28.16	45720
G109	1/15/2024	14:24	DTW only							13.70	
G111	1/15/2024	09:42	DTW only							8.92	
G112	1/15/2024	09:50	DTW only							10.63	
G113	1/15/2024	10:58	DTW only							24.22	
G114	1/15/2024	13:40	DTW only							20.51	
G115	1/15/2024	12:03	DTW only							8.05	
G116	1/25/2024	10:49	12.5	54.5	6.93	734.6	4.38	13.55	129	8.56	45720
G117	1/15/2024	13:17	DTW only							18.60	
G118	1/15/2024	13:36	DTW only							16.57	
G119	1/15/2024	14:29	DTW only							9.97	
G120	1/15/2024	14:16	DTW only							10.01	
G125	1/24/2024	13:20	10.9	51.6	6.95	2,988.8	7.45	69.34	150.9	3.86	45720

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID
G128	1/25/2024	09:03	9.8	49.6	6.58	12,682.6	4.47	9.07	158.1	4.81	45720
G130	1/24/2024	14:08	12.9	55.2	6.26	6,930.9	0.36	13.41	101	5.62	45600
G133	1/24/2024	13:15	13.2	55.8	6.57	4,190.3	0.39	91.35	47.9	12.88	45600
G136	1/25/2024	11:44	11.2	52.2	6.78	2,488.7	0.95	18.92	72.3	8.54	45600
G139	1/24/2024	14:02	12.6	54.7	6.77	3,747.6	1.44	36.40	150.9	7.22	45720
G141	1/24/2024	10:44	14.0	57.2	6.78	1,798.8	2.44	34.11	158.8	15.60	45720
G201	1/25/2024	11:59	12.2	54.0	7.27	1,003.6	2.14	13.44	-70.4	17.75	45720
G202	1/17/2024	10:07	6.9	44.4	7.58	1,120.7	4.58	12.83	136.9	48.79	45720
G203	1/17/2024	11:24	11.5	52.7	7.27	1,120.2	0.83	67.78	-6.9	42.25	45720
G208											
G217S	1/24/2024	12:45	12.6	54.7	6.54	4,307.1	2.14	13.47	159.7	8.02	45720
G218	1/15/2024	14:07	DTW only							19.81	
G220	1/18/2024	14:22	13.9	57.0	6.88	1,016.2	1.64	39.13	25.9	18.62	45720
G221	1/17/2024	13:04	12.9	55.2	6.87	1,403.1	0.77	258.25	-59.3	22.10	45720
G222	1/17/2024	13:33	12.4	54.3	7.54	1,652.7	1.94	5.76	-19.5	18.19	45720
G223	1/23/2024	13:59	13.1	55.6	6.86	2,874.0	1.26	24.43	122.2	35.65	45720
G224	1/23/2024	14:49	12.4	54.3	7.31	959.9	1.17	61.36	108.4	43.41	45720
G225	1/23/2024	13:03	12.7	54.9	7.37	936.2	7.44	15.35	118.7	11.13	45720
G230	1/18/2024	11:01	12.9	55.2	7.03	1,479.0	1.43	46.60	138.5	49.79	45720
G231	1/18/2024	11:26	12.1	53.8	7.31	1,085.5	2.21	33.56	129.1	48.16	45720
G232	1/18/2024	11:57	12.6	54.7	7.26	1,252.8	1.45	37.64	87.4	36.50	45720
G233	1/18/2024	12:32	11.5	52.7	7.07	1,379.7	1.27	14.34	87.8	42.33	45720
G234	1/18/2024	13:01	13.0	55.4	7.24	1,225.5	2.95	22.80	101.2	44.50	45720
L1R-leachate	1/26/2024	10:10	16.4	61.5	10.94	37,680.8	3.93	150.51	6.1	55.23	45720
L201-leachate	1/15/2024	14:50	DTW only							36.89	
L202-leachate	1/15/2024	14:29	DTW only							38.09	
L203-leachate	1/15/2024	14:37	DTW only							31.33	
L204-leachate	1/15/2024	14:40	DTW only							49.52	
L205-leachate	1/15/2024	14:45	DTW only							33.74	
L301-leachate											
M25-1	1/15/2024	13:03	DTW only							3.29	
M25-2	1/15/2024	13:04	DTW only							1.71	
M25-3	1/15/2024	13:05	DTW only							1.78	
M25-4	1/15/2024	13:06	DTW only							2.49	
M25-5	1/15/2024	13:07	DTW only							5.40	
M25-6	1/15/2024	13:03	DTW only							12.73	
M25-7	1/15/2024	13:00	DTW only							18.82	
M26-1	1/15/2024	14:40	DTW only							2.03	
M26-2	1/15/2024	14:41	DTW only							22.49	
M26-3	1/15/2024	14:42	DTW only							22.49	
M26-4	1/15/2024	14:43	DTW only							0.90	

Site Samping Event: Newton 1Q 2024
LIMS Workorder: 24010247
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Newton- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID
M26-5	1/15/2024	14:44	DTW only							0.90	
M26-6	1/15/2024	14:45	DTW only							1.28	
M26-7	1/15/2024	14:48	DTW only							41.89	
MW31S	1/15/2024	14:48	DTW only							1.36	
MW33S	1/15/2024	09:53	DTW only							14.92	
MW35S	1/15/2024	09:34	DTW only							3.36	
MW36S	1/15/2024	09:20	DTW only							4.29	
MW48S	1/15/2024	10:59	DTW only							5.75	
R216	1/15/2024	13:18	DTW only							44.45	
R217D	1/24/2024	11:55	12.9	55.2	6.41	3,083.2	0.91	24.12	160.2	19.35	45720
R219	1/26/2024	08:58	11.4	52.5	6.93	1,407.7	2.32	27.73	139.4	20.65	45720
XPW01-pore	1/16/2024	14:21	15.2	59.4	12.50	11,158.2	0.20	129.59	-217.8	10.72	45720
XPW02-pore	1/16/2024	13:05	13.7	56.7	9.82	596.9	0.41	14.88	-157.8	6.72	45720
XPW03-pore	1/16/2024	12:12	15.2	59.4	11.80	1,653.7	0.42	241.07	-151	9.97	45720
XPW04-pore	1/16/2024	11:23	14.5	58.1	11.71	13,603.2	0.42	6.19	-149.9	12.24	45600
XSG01	1/15/2024	12:48	DTW only							5.70	
YSG02	1/15/2024	10:17	DTW only							3.75	
Field Blank	1/26/2024	10:15	*QA/QC Sample*								
A213 Duplicate	1/24/2024	09:35	11.1	52.0	6.73	2,185.1	4.24	3.30	171.2	17.59	45720
APW02 Duplicate	1/18/2024	13:35	8.6	47.5	6.59	3,220.6	1.71	21.81	67.4	7.99	45600
G006D Duplicate	1/25/2024	10:00	10.7	51.3	6.94	1,259.4	1.46	119.84	131.3	30.00	45720
G104 Duplicate	1/25/2024	11:30	11.1	52.0	6.98	1,128.1	6.70	4.91	137.2	7.58	45720
Equipment Blank 1	1/23/2024	15:21	*QA/QC Sample*								
Equipment Blank 2	1/24/2024	14:51	*QA/QC Sample*								
Equipment Blank 3	1/26/2024	10:20	*QA/QC Sample*								

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 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
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

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	7.21	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

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	0.03	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.65	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

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	1.391	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

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	272.80	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
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 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
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	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19D104679
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

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	7.07	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.09	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.0 / 0.0	NTU	0.0	NTU	-1.6	0.0	0.00%	Pass
124.0 / 124.0	NTU	124.0	NTU	120.0	124.0	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

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	1.441	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 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	252.1	240.0	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 0.0

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 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	97.1	100.0	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 1, 2024

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Antimony, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.003
APW02	UD	E004	Arsenic, total	mg/L	02/17/21 - 01/18/24	13	77	CI around median	0.001	0.0590
APW02	UD	E004	Barium, total	mg/L	02/17/21 - 01/18/24	13	0	CI around mean	0.0101	0.300
APW02	UD	E004	Beryllium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.001
APW02	UD	E004	Boron, total	mg/L	02/17/21 - 01/18/24	13	0	CI around geomean	0.113	0.260
APW02	UD	E004	Cadmium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.001
APW02	UD	E004	Chloride, total	mg/L	02/17/21 - 01/18/24	13	0	CI around mean	102	52.0
APW02	UD	E004	Chromium, total	mg/L	02/17/21 - 01/18/24	13	77	CB around T-S line	0.0016	0.0110
APW02	UD	E004	Cobalt, total	mg/L	02/17/21 - 01/18/24	13	92	CB around T-S line	0.00103	0.00430
APW02	UD	E004	Fluoride, total	mg/L	02/17/21 - 01/18/24	13	77	CB around T-S line	0.223	0.633
APW02	UD	E004	Lead, total	mg/L	02/17/21 - 01/18/24	13	92	CI around median	0.001	0.00740
APW02	UD	E004	Lithium, total	mg/L	02/17/21 - 01/18/24	13	0	CI around geomean	0.0977	0.0300
APW02	UD	E004	Mercury, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.0002	0.0002
APW02	UD	E004	Molybdenum, total	mg/L	02/17/21 - 01/18/24	12	50	CI around median	0.001	0.0180
APW02	UD	E004	pH (field)	SU	02/17/21 - 01/18/24	19	0	CI around mean	6.6/6.8	6.4/7.8
APW02	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/18/24	12	0	CI around mean	0.338	6.90
APW02	UD	E004	Selenium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.001	0.001
APW02	UD	E004	Sulfate, total	mg/L	02/17/21 - 01/18/24	13	0	CI around median	2,900	35.8
APW02	UD	E004	Thallium, total	mg/L	02/17/21 - 01/18/24	13	100	All ND - Last	0.002	0.001
APW02	UD	E004	Total Dissolved Solids	mg/L	02/17/21 - 01/18/24	19	0	CI around median	5,000	628
APW03	UD	E004	Antimony, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.0023	0.003
APW03	UD	E004	Arsenic, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.0590
APW03	UD	E004	Barium, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	0.0668	0.300
APW03	UD	E004	Beryllium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.001
APW03	UD	E004	Boron, total	mg/L	02/18/21 - 01/23/24	13	0	CI around geomean	0.391	0.260
APW03	UD	E004	Cadmium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.001
APW03	UD	E004	Chloride, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	7.58	52.0

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Chromium, total	mg/L	02/18/21 - 01/23/24	13	77	CI around median	0.0038	0.0110
APW03	UD	E004	Cobalt, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.00430
APW03	UD	E004	Fluoride, total	mg/L	02/18/21 - 01/23/24	13	69	CI around median	0.25	0.633
APW03	UD	E004	Lead, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.001	0.00740
APW03	UD	E004	Lithium, total	mg/L	02/18/21 - 01/23/24	13	31	CI around mean	0.0111	0.0300
APW03	UD	E004	Mercury, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.0002	0.0002
APW03	UD	E004	Molybdenum, total	mg/L	02/18/21 - 01/23/24	12	25	CI around mean	0.00113	0.0180
APW03	UD	E004	pH (field)	SU	02/18/21 - 01/23/24	19	0	CI around mean	6.8/7.2	6.4/7.8
APW03	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/23/24	12	0	CI around geomean	0.202	6.90
APW03	UD	E004	Selenium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.001
APW03	UD	E004	Sulfate, total	mg/L	02/18/21 - 01/23/24	13	0	CB around linear reg	89.1	35.8
APW03	UD	E004	Thallium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.002	0.001
APW03	UD	E004	Total Dissolved Solids	mg/L	02/18/21 - 01/23/24	19	0	CI around mean	627	628
APW04	UD	E004	Antimony, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.003
APW04	UD	E004	Arsenic, total	mg/L	02/18/21 - 01/23/24	13	46	CI around median	0.001	0.0590
APW04	UD	E004	Barium, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	0.0197	0.300
APW04	UD	E004	Beryllium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.001
APW04	UD	E004	Boron, total	mg/L	02/18/21 - 01/23/24	13	0	CI around median	0.024	0.260
APW04	UD	E004	Cadmium, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.001	0.001
APW04	UD	E004	Chloride, total	mg/L	02/18/21 - 01/23/24	13	0	CI around mean	30.3	52.0
APW04	UD	E004	Chromium, total	mg/L	02/18/21 - 01/23/24	13	77	CI around median	0.004	0.0110
APW04	UD	E004	Cobalt, total	mg/L	02/18/21 - 01/23/24	13	92	CB around T-S line	0.000827	0.00430
APW04	UD	E004	Fluoride, total	mg/L	02/18/21 - 01/23/24	13	77	CI around median	0.25	0.633
APW04	UD	E004	Lead, total	mg/L	02/18/21 - 01/23/24	13	69	CI around median	0.001	0.00740
APW04	UD	E004	Lithium, total	mg/L	02/18/21 - 01/23/24	13	23	CI around median	0.02	0.0300
APW04	UD	E004	Mercury, total	mg/L	02/18/21 - 01/23/24	13	92	CI around median	0.0002	0.0002
APW04	UD	E004	Molybdenum, total	mg/L	02/18/21 - 01/23/24	12	83	CB around T-S line	0.001	0.0180

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	pH (field)	SU	02/18/21 - 01/23/24	19	0	CI around median	6.8/7.0	6.4/7.8
APW04	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/23/24	12	0	CB around linear reg	0.644	6.90
APW04	UD	E004	Selenium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.001	0.001
APW04	UD	E004	Sulfate, total	mg/L	02/18/21 - 01/23/24	13	0	CB around linear reg	587	35.8
APW04	UD	E004	Thallium, total	mg/L	02/18/21 - 01/23/24	13	100	All ND - Last	0.002	0.001
APW04	UD	E004	Total Dissolved Solids	mg/L	02/18/21 - 01/23/24	19	0	CI around median	1,700	628
APW05S	UD	E004	Antimony, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.003
APW05S	UD	E004	Arsenic, total	mg/L	02/17/21 - 01/23/24	12	42	CI around mean	0.00105	0.0590
APW05S	UD	E004	Barium, total	mg/L	02/17/21 - 01/23/24	12	0	CI around geomean	0.0376	0.300
APW05S	UD	E004	Beryllium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.001
APW05S	UD	E004	Boron, total	mg/L	02/17/21 - 01/23/24	12	0	CI around median	0.039	0.260
APW05S	UD	E004	Cadmium, total	mg/L	02/17/21 - 01/23/24	12	92	CI around median	0.001	0.001
APW05S	UD	E004	Chloride, total	mg/L	02/17/21 - 01/23/24	12	0	CI around geomean	144	52.0
APW05S	UD	E004	Chromium, total	mg/L	02/17/21 - 01/23/24	12	75	CI around median	0.002	0.0110
APW05S	UD	E004	Cobalt, total	mg/L	02/17/21 - 01/23/24	12	33	CI around geomean	0.000934	0.00430
APW05S	UD	E004	Fluoride, total	mg/L	02/17/21 - 01/23/24	12	0	CI around mean	0.357	0.633
APW05S	UD	E004	Lead, total	mg/L	02/17/21 - 01/23/24	12	92	CI around median	0.001	0.00740
APW05S	UD	E004	Lithium, total	mg/L	02/17/21 - 01/23/24	12	0	CB around T-S line	0.017	0.0300
APW05S	UD	E004	Mercury, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.0002	0.0002
APW05S	UD	E004	Molybdenum, total	mg/L	02/17/21 - 01/23/24	11	18	CI around geomean	0.00106	0.0180
APW05S	UD	E004	pH (field)	SU	02/17/21 - 01/23/24	12	0	CI around mean	6.7/6.9	6.4/7.8
APW05S	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/23/24	11	0	CI around geomean	0.198	6.90
APW05S	UD	E004	Selenium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.001	0.001
APW05S	UD	E004	Sulfate, total	mg/L	02/17/21 - 01/23/24	12	0	CI around median	640	35.8
APW05S	UD	E004	Thallium, total	mg/L	02/17/21 - 01/23/24	12	100	All ND - Last	0.002	0.001
APW05S	UD	E004	Total Dissolved Solids	mg/L	02/17/21 - 01/23/24	12	0	CI around mean	3,280	628
APW07	UA	E004	Antimony, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.003

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Arsenic, total	mg/L	12/15/15 - 01/23/24	15	0	CB around T-S line	0.00483	0.0590
APW07	UA	E004	Barium, total	mg/L	12/15/15 - 01/23/24	15	0	CB around T-S line	0.435	0.300
APW07	UA	E004	Beryllium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.001
APW07	UA	E004	Boron, total	mg/L	12/15/15 - 01/23/24	25	0	CB around T-S line	0.0814	0.260
APW07	UA	E004	Cadmium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.001
APW07	UA	E004	Chloride, total	mg/L	12/15/15 - 01/23/24	28	0	CB around T-S line	55.6	52.0
APW07	UA	E004	Chromium, total	mg/L	12/15/15 - 01/23/24	15	60	CI around median	0.0031	0.0110
APW07	UA	E004	Cobalt, total	mg/L	12/15/15 - 01/23/24	14	86	CI around median	0.001	0.00430
APW07	UA	E004	Fluoride, total	mg/L	12/15/15 - 01/23/24	25	4	CI around mean	0.369	0.633
APW07	UA	E004	Lead, total	mg/L	12/15/15 - 01/23/24	15	67	CI around median	0.001	0.00740
APW07	UA	E004	Lithium, total	mg/L	12/15/15 - 01/23/24	15	87	CI around median	0.0042	0.0300
APW07	UA	E004	Mercury, total	mg/L	12/15/15 - 01/23/24	15	100	All ND - Last	0.0002	0.0002
APW07	UA	E004	Molybdenum, total	mg/L	12/15/15 - 01/23/24	14	0	CI around mean	0.00293	0.0180
APW07	UA	E004	pH (field)	SU	12/15/15 - 01/23/24	27	0	CI around mean	7.2/7.3	6.4/7.8
APW07	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/23/24	15	0	CB around linear reg	1.87	6.90
APW07	UA	E004	Selenium, total	mg/L	12/15/15 - 01/23/24	15	100	All ND - Last	0.001	0.001
APW07	UA	E004	Sulfate, total	mg/L	12/15/15 - 01/23/24	26	15	CB around T-S line	10.4	35.8
APW07	UA	E004	Thallium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.002	0.001
APW07	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 01/23/24	25	0	CB around T-S line	540	628
APW08	UA	E004	Antimony, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.003
APW08	UA	E004	Arsenic, total	mg/L	12/15/15 - 01/18/24	15	0	CB around linear reg	0.0226	0.0590
APW08	UA	E004	Barium, total	mg/L	12/15/15 - 01/18/24	15	0	CB around linear reg	0.49	0.300
APW08	UA	E004	Beryllium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.001
APW08	UA	E004	Boron, total	mg/L	12/15/15 - 01/18/24	25	0	CI around geomean	0.0819	0.260
APW08	UA	E004	Cadmium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.001	0.001
APW08	UA	E004	Chloride, total	mg/L	12/15/15 - 01/18/24	27	0	CI around mean	55	52.0
APW08	UA	E004	Chromium, total	mg/L	12/15/15 - 01/18/24	15	53	CI around median	0.004	0.0110

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Cobalt, total	mg/L	12/15/15 - 01/18/24	14	71	CI around median	0.002	0.00430
APW08	UA	E004	Fluoride, total	mg/L	12/15/15 - 01/18/24	25	8	CI around median	0.393	0.633
APW08	UA	E004	Lead, total	mg/L	12/15/15 - 01/18/24	15	53	CI around median	0.001	0.00740
APW08	UA	E004	Lithium, total	mg/L	12/15/15 - 01/18/24	15	67	CI around median	0.0059	0.0300
APW08	UA	E004	Mercury, total	mg/L	12/15/15 - 01/18/24	15	100	All ND - Last	0.0002	0.0002
APW08	UA	E004	Molybdenum, total	mg/L	12/15/15 - 01/18/24	14	0	CI around mean	0.00482	0.0180
APW08	UA	E004	pH (field)	SU	12/15/15 - 01/18/24	28	0	CI around mean	7.2/7.4	6.4/7.8
APW08	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/18/24	15	0	CI around geomean	0.984	6.90
APW08	UA	E004	Selenium, total	mg/L	12/15/15 - 01/18/24	15	93	CI around median	0.001	0.001
APW08	UA	E004	Sulfate, total	mg/L	12/15/15 - 01/18/24	27	0	CB around linear reg	48.2	35.8
APW08	UA	E004	Thallium, total	mg/L	12/15/15 - 01/18/24	14	100	All ND - Last	0.002	0.001
APW08	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 01/18/24	25	0	CB around linear reg	588	628
APW09	UA	E004	Antimony, total	mg/L	12/15/15 - 01/23/24	14	93	CB around T-S line	0.00136	0.003
APW09	UA	E004	Arsenic, total	mg/L	12/15/15 - 01/23/24	15	0	CB around linear reg	0.0208	0.0590
APW09	UA	E004	Barium, total	mg/L	12/15/15 - 01/23/24	15	0	CI around mean	0.311	0.300
APW09	UA	E004	Beryllium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.001
APW09	UA	E004	Boron, total	mg/L	12/15/15 - 01/23/24	25	0	CB around T-S line	0.09	0.260
APW09	UA	E004	Cadmium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.001	0.001
APW09	UA	E004	Chloride, total	mg/L	12/15/15 - 01/23/24	27	0	CB around T-S line	107	52.0
APW09	UA	E004	Chromium, total	mg/L	12/15/15 - 01/23/24	15	67	CI around median	0.0033	0.0110
APW09	UA	E004	Cobalt, total	mg/L	12/15/15 - 01/23/24	14	93	CI around median	0.001	0.00430
APW09	UA	E004	Fluoride, total	mg/L	12/15/15 - 01/23/24	26	4	CI around mean	0.456	0.633
APW09	UA	E004	Lead, total	mg/L	12/15/15 - 01/23/24	15	60	CI around median	0.001	0.00740
APW09	UA	E004	Lithium, total	mg/L	12/15/15 - 01/23/24	15	80	CI around median	0.008	0.0300
APW09	UA	E004	Mercury, total	mg/L	12/15/15 - 01/23/24	15	87	CI around median	0.0002	0.0002
APW09	UA	E004	Molybdenum, total	mg/L	12/15/15 - 01/23/24	14	0	CB around linear reg	-0.00329	0.0180
APW09	UA	E004	pH (field)	SU	12/15/15 - 01/23/24	27	0	CI around median	7.4/7.5	6.4/7.8

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 01/23/24	15	0	CI around geomean	0.892	6.90
APW09	UA	E004	Selenium, total	mg/L	12/15/15 - 01/23/24	15	93	CI around median	0.001	0.001
APW09	UA	E004	Sulfate, total	mg/L	12/15/15 - 01/23/24	27	7	CI around geomean	5.18	35.8
APW09	UA	E004	Thallium, total	mg/L	12/15/15 - 01/23/24	14	100	All ND - Last	0.002	0.001
APW09	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 01/23/24	26	0	CB around T-S line	791	628
APW10	UA	E004	Antimony, total	mg/L	12/16/15 - 01/23/24	16	94	CB around T-S line	0.00108	0.003
APW10	UA	E004	Arsenic, total	mg/L	12/16/15 - 01/23/24	17	6	CI around mean	0.00564	0.0590
APW10	UA	E004	Barium, total	mg/L	12/16/15 - 01/23/24	17	0	CI around mean	0.0286	0.300
APW10	UA	E004	Beryllium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.001	0.001
APW10	UA	E004	Boron, total	mg/L	12/16/15 - 01/23/24	27	0	CI around median	0.069	0.260
APW10	UA	E004	Cadmium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.001	0.001
APW10	UA	E004	Chloride, total	mg/L	12/16/15 - 01/23/24	28	0	CI around mean	44.6	52.0
APW10	UA	E004	Chromium, total	mg/L	12/16/15 - 01/23/24	17	94	CB around T-S line	0.00265	0.0110
APW10	UA	E004	Cobalt, total	mg/L	12/16/15 - 01/23/24	16	94	CI around median	0.002	0.00430
APW10	UA	E004	Fluoride, total	mg/L	12/16/15 - 01/23/24	27	18	CI around mean	0.26	0.633
APW10	UA	E004	Lead, total	mg/L	12/16/15 - 01/23/24	17	88	CI around median	0.001	0.00740
APW10	UA	E004	Lithium, total	mg/L	12/16/15 - 01/23/24	17	6	CB around T-S line	0.0125	0.0300
APW10	UA	E004	Mercury, total	mg/L	12/16/15 - 01/23/24	17	100	All ND - Last	0.0002	0.0002
APW10	UA	E004	Molybdenum, total	mg/L	12/16/15 - 01/23/24	16	6	CB around T-S line	0.000571	0.0180
APW10	UA	E004	pH (field)	SU	12/16/15 - 01/23/24	30	0	CB around linear reg	7.2/7.5	6.4/7.8
APW10	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 01/23/24	17	0	CI around geomean	0.461	6.90
APW10	UA	E004	Selenium, total	mg/L	12/16/15 - 01/23/24	17	100	All ND - Last	0.001	0.001
APW10	UA	E004	Sulfate, total	mg/L	12/16/15 - 01/23/24	29	0	CI around median	410	35.8
APW10	UA	E004	Thallium, total	mg/L	12/16/15 - 01/23/24	16	100	All ND - Last	0.002	0.001
APW10	UA	E004	Total Dissolved Solids	mg/L	12/16/15 - 01/23/24	29	0	CB around T-S line	1,030	628
APW11	UA	E004	Antimony, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.003
APW11	UA	E004	Arsenic, total	mg/L	02/18/21 - 01/16/24	13	0	CI around mean	0.00233	0.0590

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Barium, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	0.043	0.300
APW11	UA	E004	Beryllium, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.001
APW11	UA	E004	Boron, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	0.063	0.260
APW11	UA	E004	Cadmium, total	mg/L	02/18/21 - 01/16/24	13	100	All ND - Last	0.001	0.001
APW11	UA	E004	Chloride, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	25	52.0
APW11	UA	E004	Chromium, total	mg/L	02/18/21 - 01/16/24	13	62	CI around median	0.004	0.0110
APW11	UA	E004	Cobalt, total	mg/L	02/18/21 - 01/16/24	13	62	CI around median	0.002	0.00430
APW11	UA	E004	Fluoride, total	mg/L	02/18/21 - 01/16/24	13	38	CI around mean	0.264	0.633
APW11	UA	E004	Lead, total	mg/L	02/18/21 - 01/16/24	13	54	CI around median	0.001	0.00740
APW11	UA	E004	Lithium, total	mg/L	02/18/21 - 01/16/24	13	8	CI around mean	0.0188	0.0300
APW11	UA	E004	Mercury, total	mg/L	02/18/21 - 01/16/24	13	85	CI around median	0.0002	0.0002
APW11	UA	E004	Molybdenum, total	mg/L	02/18/21 - 01/16/24	12	0	CI around median	0.0043	0.0180
APW11	UA	E004	pH (field)	SU	02/18/21 - 01/16/24	13	0	CI around median	6.9/7.2	6.4/7.8
APW11	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 01/16/24	12	0	CI around mean	0.63	6.90
APW11	UA	E004	Selenium, total	mg/L	02/18/21 - 01/16/24	13	77	CI around median	0.001	0.001
APW11	UA	E004	Sulfate, total	mg/L	02/18/21 - 01/16/24	13	0	CI around median	268	35.8
APW11	UA	E004	Thallium, total	mg/L	02/18/21 - 01/16/24	13	92	CI around median	0.001	0.001
APW11	UA	E004	Total Dissolved Solids	mg/L	02/18/21 - 01/16/24	13	0	CI around mean	803	628
APW12	UD	E004	Antimony, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.003
APW12	UD	E004	Arsenic, total	mg/L	02/17/21 - 01/16/24	13	23	CI around mean	0.00115	0.0590
APW12	UD	E004	Barium, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	0.0338	0.300
APW12	UD	E004	Beryllium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.001
APW12	UD	E004	Boron, total	mg/L	02/17/21 - 01/16/24	13	0	CB around linear reg	0.505	0.260
APW12	UD	E004	Cadmium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.001
APW12	UD	E004	Chloride, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	22.4	52.0
APW12	UD	E004	Chromium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.0015	0.0110
APW12	UD	E004	Cobalt, total	mg/L	02/17/21 - 01/16/24	13	23	CB around linear reg	-0.00144	0.00430

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Fluoride, total	mg/L	02/17/21 - 01/16/24	13	77	CB around T-S line	0.178	0.633
APW12	UD	E004	Lead, total	mg/L	02/17/21 - 01/16/24	13	92	CI around median	0.001	0.00740
APW12	UD	E004	Lithium, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	0.0261	0.0300
APW12	UD	E004	Mercury, total	mg/L	02/17/21 - 01/16/24	13	92	CI around median	0.0002	0.0002
APW12	UD	E004	Molybdenum, total	mg/L	02/17/21 - 01/16/24	12	58	CI around median	0.001	0.0180
APW12	UD	E004	pH (field)	SU	02/17/21 - 01/16/24	13	0	CI around mean	6.2/6.5	6.4/7.8
APW12	UD	E004	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 01/16/24	12	0	CI around mean	0.23	6.90
APW12	UD	E004	Selenium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.001	0.001
APW12	UD	E004	Sulfate, total	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	311	35.8
APW12	UD	E004	Thallium, total	mg/L	02/17/21 - 01/16/24	13	100	All ND - Last	0.002	0.001
APW12	UD	E004	Total Dissolved Solids	mg/L	02/17/21 - 01/16/24	13	0	CI around mean	1,220	628
APW13	UA	E004	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.003
APW13	UA	E004	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0034	0.0590
APW13	UA	E004	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around median	0.05	0.300
APW13	UA	E004	Beryllium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW13	UA	E004	Boron, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.105	0.260
APW13	UA	E004	Cadmium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW13	UA	E004	Chloride, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	47.7	52.0
APW13	UA	E004	Chromium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0015	0.0110
APW13	UA	E004	Cobalt, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.00430
APW13	UA	E004	Fluoride, total	mg/L	02/22/21 - 01/17/24	13	8	CI around mean	0.322	0.633
APW13	UA	E004	Lead, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.00740
APW13	UA	E004	Lithium, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0262	0.0300
APW13	UA	E004	Mercury, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0002	0.0002
APW13	UA	E004	Molybdenum, total	mg/L	02/22/21 - 01/17/24	12	0	CB around linear reg	0.0025	0.0180
APW13	UA	E004	pH (field)	SU	02/22/21 - 01/17/24	13	0	CI around median	7.1/7.3	6.4/7.8
APW13	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/17/24	12	0	CI around mean	0.394	6.90

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Selenium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW13	UA	E004	Sulfate, total	mg/L	02/22/21 - 01/17/24	13	0	CB around linear reg	235	35.8
APW13	UA	E004	Thallium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.002	0.001
APW13	UA	E004	Total Dissolved Solids	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	822	628
APW14	UA	E004	Antimony, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.003
APW14	UA	E004	Arsenic, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.00584	0.0590
APW14	UA	E004	Barium, total	mg/L	02/22/21 - 01/17/24	13	0	CB around linear reg	0.0435	0.300
APW14	UA	E004	Beryllium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW14	UA	E004	Boron, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	0.0931	0.260
APW14	UA	E004	Cadmium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW14	UA	E004	Chloride, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	41.9	52.0
APW14	UA	E004	Chromium, total	mg/L	02/22/21 - 01/17/24	13	85	CB around T-S line	-0.000209	0.0110
APW14	UA	E004	Cobalt, total	mg/L	02/22/21 - 01/17/24	13	92	CB around T-S line	0.000683	0.00430
APW14	UA	E004	Fluoride, total	mg/L	02/22/21 - 01/17/24	13	23	CI around mean	0.282	0.633
APW14	UA	E004	Lead, total	mg/L	02/22/21 - 01/17/24	13	77	CI around median	0.001	0.00740
APW14	UA	E004	Lithium, total	mg/L	02/22/21 - 01/17/24	13	15	CI around mean	0.0236	0.0300
APW14	UA	E004	Mercury, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.0002	0.0002
APW14	UA	E004	Molybdenum, total	mg/L	02/22/21 - 01/17/24	12	0	CB around linear reg	-6.78e-05	0.0180
APW14	UA	E004	pH (field)	SU	02/22/21 - 01/17/24	13	0	CI around median	7.2/7.5	6.4/7.8
APW14	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 01/17/24	12	0	CI around mean	0.477	6.90
APW14	UA	E004	Selenium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW14	UA	E004	Sulfate, total	mg/L	02/22/21 - 01/17/24	13	0	CI around mean	322	35.8
APW14	UA	E004	Thallium, total	mg/L	02/22/21 - 01/17/24	13	100	All ND - Last	0.002	0.001
APW14	UA	E004	Total Dissolved Solids	mg/L	02/22/21 - 01/17/24	13	0	CI around median	920	628
APW15	UA	E004	Antimony, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.003
APW15	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.0176	0.0590
APW15	UA	E004	Barium, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.569	0.300

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Beryllium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.001
APW15	UA	E004	Boron, total	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	0.125	0.260
APW15	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.001
APW15	UA	E004	Chloride, total	mg/L	02/23/21 - 01/18/24	13	0	CI around median	230	52.0
APW15	UA	E004	Chromium, total	mg/L	02/23/21 - 01/18/24	13	62	CI around median	0.004	0.0110
APW15	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/18/24	13	62	CI around median	0.0017	0.00430
APW15	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/18/24	13	0	CI around geomean	0.544	0.633
APW15	UA	E004	Lead, total	mg/L	02/23/21 - 01/18/24	13	38	CI around median	0.001	0.00740
APW15	UA	E004	Lithium, total	mg/L	02/23/21 - 01/18/24	13	62	CI around median	0.0076	0.0300
APW15	UA	E004	Mercury, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.0002	0.0002
APW15	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/18/24	12	0	CB around linear reg	0.00132	0.0180
APW15	UA	E004	pH (field)	SU	02/23/21 - 01/18/24	13	0	CI around median	6.9/7.2	6.4/7.8
APW15	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/18/24	12	0	CI around mean	1.6	6.90
APW15	UA	E004	Selenium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.001	0.001
APW15	UA	E004	Sulfate, total	mg/L	02/23/21 - 01/18/24	13	77	CI around median	1	35.8
APW15	UA	E004	Thallium, total	mg/L	02/23/21 - 01/18/24	13	100	All ND - Last	0.002	0.001
APW15	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/18/24	13	0	CI around mean	1,030	628
APW16	UA	E004	Antimony, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.003
APW16	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.01	0.0590
APW16	UA	E004	Barium, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.558	0.300
APW16	UA	E004	Beryllium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW16	UA	E004	Boron, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.129	0.260
APW16	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW16	UA	E004	Chloride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	66.3	52.0
APW16	UA	E004	Chromium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0015	0.0110
APW16	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.00430
APW16	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.64	0.633

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Lead, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.00740
APW16	UA	E004	Lithium, total	mg/L	02/23/21 - 01/17/24	13	92	CI around median	0.0033	0.0300
APW16	UA	E004	Mercury, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0002	0.0002
APW16	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/17/24	12	58	CI around median	0.001	0.0180
APW16	UA	E004	pH (field)	SU	02/23/21 - 01/17/24	13	0	CI around mean	7.2/7.5	6.4/7.8
APW16	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/17/24	12	0	CI around geomean	1.45	6.90
APW16	UA	E004	Selenium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW16	UA	E004	Sulfate, total	mg/L	02/23/21 - 01/17/24	13	85	CI around median	1	35.8
APW16	UA	E004	Thallium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.002	0.001
APW16	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/17/24	13	0	CI around median	690	628
APW17	UA	E004	Antimony, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.003
APW17	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/17/24	13	0	CB around linear reg	0.0297	0.0590
APW17	UA	E004	Barium, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.572	0.300
APW17	UA	E004	Beryllium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW17	UA	E004	Boron, total	mg/L	02/23/21 - 01/17/24	13	0	CI around median	0.083	0.260
APW17	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.001
APW17	UA	E004	Chloride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	47.3	52.0
APW17	UA	E004	Chromium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0015	0.0110
APW17	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.00430
APW17	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	0.437	0.633
APW17	UA	E004	Lead, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.00740
APW17	UA	E004	Lithium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.003	0.0300
APW17	UA	E004	Mercury, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.0002	0.0002
APW17	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/17/24	12	0	CI around median	0.0048	0.0180
APW17	UA	E004	pH (field)	SU	02/23/21 - 01/17/24	13	0	CI around mean	7.2/7.5	6.4/7.8
APW17	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/17/24	12	0	CB around linear reg	1.08	6.90
APW17	UA	E004	Selenium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.001	0.001

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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	E004	Sulfate, total	mg/L	02/23/21 - 01/17/24	13	8	CB around T-S line	55.5	35.8
APW17	UA	E004	Thallium, total	mg/L	02/23/21 - 01/17/24	13	100	All ND - Last	0.002	0.001
APW17	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/17/24	13	0	CI around mean	641	628
APW18	UA	E004	Antimony, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.003
APW18	UA	E004	Arsenic, total	mg/L	02/23/21 - 01/16/24	13	8	CI around mean	0.00176	0.0590
APW18	UA	E004	Barium, total	mg/L	02/23/21 - 01/16/24	13	0	CB around linear reg	0.338	0.300
APW18	UA	E004	Beryllium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.001
APW18	UA	E004	Boron, total	mg/L	02/23/21 - 01/16/24	13	0	CI around geomean	0.107	0.260
APW18	UA	E004	Cadmium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.001
APW18	UA	E004	Chloride, total	mg/L	02/23/21 - 01/16/24	13	0	CB around T-S line	-96.1	52.0
APW18	UA	E004	Chromium, total	mg/L	02/23/21 - 01/16/24	13	69	CB around T-S line	-0.0156	0.0110
APW18	UA	E004	Cobalt, total	mg/L	02/23/21 - 01/16/24	13	77	CB around T-S line	-0.000578	0.00430
APW18	UA	E004	Fluoride, total	mg/L	02/23/21 - 01/16/24	13	0	CI around median	0.54	0.633
APW18	UA	E004	Lead, total	mg/L	02/23/21 - 01/16/24	13	54	CI around median	0.001	0.00740
APW18	UA	E004	Lithium, total	mg/L	02/23/21 - 01/16/24	13	77	CI around median	0.01	0.0300
APW18	UA	E004	Mercury, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.0002	0.0002
APW18	UA	E004	Molybdenum, total	mg/L	02/23/21 - 01/16/24	12	0	CB around linear reg	-0.0114	0.0180
APW18	UA	E004	pH (field)	SU	02/23/21 - 01/16/24	13	0	CI around mean	7.5/7.8	6.4/7.8
APW18	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 01/16/24	12	0	CI around mean	1.47	6.90
APW18	UA	E004	Selenium, total	mg/L	02/23/21 - 01/16/24	13	92	CI around median	0.001	0.001
APW18	UA	E004	Sulfate, total	mg/L	02/23/21 - 01/16/24	13	15	CI around geomean	2.87	35.8
APW18	UA	E004	Thallium, total	mg/L	02/23/21 - 01/16/24	13	85	CI around median	0.001	0.001
APW18	UA	E004	Total Dissolved Solids	mg/L	02/23/21 - 01/16/24	13	0	CI around median	490	628

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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
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 linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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