



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

May 3, 2025

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 West Iles Avenue
P.O. Box 19276
Springfield, IL 62794

Re: Baldwin Power Plant Bottom Ash Pond; IEPA ID # W1578510001-06

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 1, 2025 sampling event at the Baldwin Power Plant Bottom Ash Pond (BAP), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1578510001-06. 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 exceedances¹ of the GWPS.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16).

As allowed in 35 I.A.C. § 845.650(e), Alternative Source Demonstrations (ASDs) were submitted on October 27, 2023 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event; on February 6, 2024 for the exceedance of the GWPS detected during the Quarter 3, 2023 sampling event; on July 9, 2024 for the exceedance of the GWPS detected during the Quarter 1, 2024 sampling event; and on December 20, 2024 for the exceedance of the GWPS detected during the Quarter 3, 2024 sampling event. Exceedances of chloride, fluoride, and lithium were detected during the Quarter 1, 2025 sampling event in the same monitoring wells identified in the submitted ASDs. The IEPA provided written concurrences with the Quarter 2, 2023 and Quarter 1, 2024 ASDs on November 28, 2023 and August 8, 2024, respectively.

An ASD was also submitted on September 17, 2024 for the exceedance of the GWPS detected during the Quarter 2, 2024 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on October 3, 2024, that did not concur with the Quarter 2, 2024 ASD submitted on September 17, 2024. A fluoride exceedance was detected during the Quarter 4, 2024 sampling event in the same monitoring well identified in the Quarter 2, 2024 ASD. An ASD was also submitted on December 24, 2024, for the exceedance of the GWPS detected during the Quarter 3, 2024 sampling event. The IEPA provided a written concurrence with the Quarter 3, 2024 ASD on January 22, 2025, and therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Phil Morris".

Phil Morris, PE
Senior Director, Environmental

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 1, 2025, Bottom Ash Pond, Baldwin Power Plant, Baldwin, Illinois

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

May 3, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on March 4, 2025.

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

Following the observation of abnormally high groundwater elevations, background well MW-358 was inspected and one of the well casing joints in MW-358 was observed to be compromised. The IEPA was notified on September 16, 2024² and MW-358 was abandoned and replaced with MW-358R in October 2024. Updates to the Groundwater Monitoring Plan Revision 1³ will be considered following IEPA review and approval of an operating permit.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan⁴), constituent concentrations observed at compliance monitoring wells in Quarter 1, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration⁵ (ASD) was submitted on October 27, 2023 for exceedances of the chloride and fluoride GWPS detected during the Quarter 2, 2023 sampling event. Exceedances of chloride and fluoride were detected during the Quarter 1, 2025 sampling

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

² Luminant, 2024. Re: Baldwin Power Plant Groundwater Well Abandonment and Replacement. September 16, 2024.

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. *Groundwater Monitoring Plan Revision 1. Baldwin Power Plant, Bottom Ash Pond, Baldwin, Illinois. Dynegy Midwest Generation, LLC. August 1, 2023.*

⁴ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. *Groundwater Monitoring Plan Revision 1. Baldwin Power Plant, Bottom Ash Pond, Baldwin, Illinois. Dynegy Midwest Generation, LLC. August 1, 2023.*

⁵ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynegy Midwest Generation, LLC. October 27, 2023.*

event in the same monitoring wells identified in the approved ASD. The Illinois Environmental Protection Agency (IEPA) provided a written concurrence with the ASD on November 28, 2023⁶.

A second ASD⁷ was submitted on July 8, 2024 for the exceedance of the lithium GWPS detected during the Quarter 1, 2024 sampling event. An exceedance of lithium was detected during the Quarter 1, 2025 sampling event in the same monitoring wells identified in the approved ASD. The IEPA provided a written concurrence with the ASD on August 8, 2024⁸.

As allowed in 35 I.A.C. § 845.650(e), an ASD⁹ was submitted on September 17, 2024, for the exceedance of the fluoride GWPS detected at monitoring well MW-392 during the Quarter 2, 2024 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on October 3, 2024¹⁰ that did not concur with the ASD. Another ASD¹¹ was submitted on December 20, 2024, for the exceedance of the Fluoride GWPS detected at monitoring well MW-392 during the Quarter 3, 2024 sampling event. The IEPA provided a written concurrence with the Quarter 3, 2024 ASD on January 22, 2025¹². An exceedance of fluoride was detected during the Quarter 4, 2024 sampling event in the same monitoring well.

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

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

⁶ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* November 28, 2023.

⁷ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynergy Midwest Generation, LLC. October 27, 2023.*

⁸ Illinois Environmental Protection Agency (IEPA), 2023. *Letter from Michael Summers (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* August 8, 2024.

⁹ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynergy Midwest Generation, LLC. September 17, 2024.*

¹⁰ Illinois Environmental Protection Agency (IEPA), 2024. *Letter from Darin LeCrone (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* October 3, 2024.

¹¹ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynergy Midwest Generation, LLC. December 20, 2024.*

¹² Illinois Environmental Protection Agency (IEPA), 2025. *Letter from Darin LeCrone (IEPA) to Phil Morris (Dynergy Midwest Generation, LLC): Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06, Alternative Source Demonstration (ASD) Submittal.* January 22, 2025.

TABLES

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E008	01/22/2025	Antimony, total	0.0004 U	mg/L
MW-304	Background	E008	01/22/2025	Arsenic, total	0.00260	mg/L
MW-304	Background	E008	01/22/2025	Barium, total	0.0175	mg/L
MW-304	Background	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E008	01/22/2025	Boron, total	1.82	mg/L
MW-304	Background	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E008	01/22/2025	Calcium, total	11.1	mg/L
MW-304	Background	E008	01/22/2025	Chloride, total	161	mg/L
MW-304	Background	E008	01/22/2025	Chromium, total	0.0008 J	mg/L
MW-304	Background	E008	01/22/2025	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E008	01/22/2025	Dissolved Oxygen	1.08	mg/L
MW-304	Background	E008	01/22/2025	Fluoride, total	1.55	mg/L
MW-304	Background	E008	01/22/2025	Lead, total	0.0006 U	mg/L
MW-304	Background	E008	01/22/2025	Lithium, total	0.0962	mg/L
MW-304	Background	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
MW-304	Background	E008	01/22/2025	Molybdenum, total	0.001 J	mg/L
MW-304	Background	E008	01/22/2025	Oxidation Reduction Potential	92.0	mV
MW-304	Background	E008	01/22/2025	pH (field)	7.7	SU
MW-304	Background	E008	01/22/2025	Radium 226 + Radium 228, total	0.387	pCi/L
MW-304	Background	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
MW-304	Background	E008	01/22/2025	Specific Conductance @ 25C (field)	2,090	micromhos/cm
MW-304	Background	E008	01/22/2025	Sulfate, total	178	mg/L
MW-304	Background	E008	01/22/2025	Temperature	13.9	degrees C
MW-304	Background	E008	01/22/2025	Thallium, total	0.001 U	mg/L
MW-304	Background	E008	01/22/2025	Total Dissolved Solids	1,410	mg/L
MW-304	Background	E008	01/22/2025	Turbidity, field	6.80	NTU
MW-358R	Background	E008	01/24/2025	Antimony, total	0.0005 J	mg/L
MW-358R	Background	E008	01/24/2025	Arsenic, total	0.00230	mg/L
MW-358R	Background	E008	01/24/2025	Barium, total	0.195	mg/L
MW-358R	Background	E008	01/24/2025	Beryllium, total	0.0002 U	mg/L
MW-358R	Background	E008	01/24/2025	Boron, total	1.30	mg/L
MW-358R	Background	E008	01/24/2025	Cadmium, total	0.0002 J	mg/L
MW-358R	Background	E008	01/24/2025	Calcium, total	38.9	mg/L
MW-358R	Background	E008	01/24/2025	Chloride, total	1,330	mg/L
MW-358R	Background	E008	01/24/2025	Chromium, total	0.00400	mg/L
MW-358R	Background	E008	01/24/2025	Cobalt, total	0.0007 J	mg/L
MW-358R	Background	E008	01/24/2025	Dissolved Oxygen	1.02	mg/L
MW-358R	Background	E008	01/24/2025	Fluoride, total	1.26	mg/L
MW-358R	Background	E008	01/24/2025	Lead, total	0.00130	mg/L
MW-358R	Background	E008	01/24/2025	Lithium, total	0.00910	mg/L
MW-358R	Background	E008	01/24/2025	Mercury, total	0.00006 U	mg/L
MW-358R	Background	E008	01/24/2025	Molybdenum, total	0.0278	mg/L
MW-358R	Background	E008	01/24/2025	Oxidation Reduction Potential	50.0	mV
MW-358R	Background	E008	01/24/2025	pH (field)	7.3	SU
MW-358R	Background	E008	01/24/2025	Radium 226 + Radium 228, total	0.431	pCi/L
MW-358R	Background	E008	01/24/2025	Selenium, total	0.0006 U	mg/L

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845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358R	Background	E008	01/24/2025	Specific Conductance @ 25C (field)	4,080	micromhos/cm
MW-358R	Background	E008	01/24/2025	Sulfate, total	21.2	mg/L
MW-358R	Background	E008	01/24/2025	Temperature	12.7	degrees C
MW-358R	Background	E008	01/24/2025	Thallium, total	0.001 U	mg/L
MW-358R	Background	E008	01/24/2025	Total Dissolved Solids	3,020	mg/L
MW-358R	Background	E008	01/24/2025	Turbidity, field	170	NTU
MW-192	Compliance	E008	01/22/2025	Antimony, total	0.0006 J	mg/L
MW-192	Compliance	E008	01/22/2025	Arsenic, total	0.0007 J	mg/L
MW-192	Compliance	E008	01/22/2025	Barium, total	0.0754	mg/L
MW-192	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E008	01/22/2025	Boron, total	0.0576	mg/L
MW-192	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E008	01/22/2025	Calcium, total	72.8	mg/L
MW-192	Compliance	E008	01/22/2025	Chloride, total	19.6	mg/L
MW-192	Compliance	E008	01/22/2025	Chromium, total	0.0009 J	mg/L
MW-192	Compliance	E008	01/22/2025	Cobalt, total	0.0002 J	mg/L
MW-192	Compliance	E008	01/22/2025	Dissolved Oxygen	0.790	mg/L
MW-192	Compliance	E008	01/22/2025	Fluoride, total	0.35 J	mg/L
MW-192	Compliance	E008	01/22/2025	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E008	01/22/2025	Lithium, total	0.00370	mg/L
MW-192	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E008	01/22/2025	Molybdenum, total	0.00230	mg/L
MW-192	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-116	mV
MW-192	Compliance	E008	01/22/2025	pH (field)	6.9	SU
MW-192	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0.209	pCi/L
MW-192	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	1,330	micromhos/cm
MW-192	Compliance	E008	01/22/2025	Sulfate, total	15.4	mg/L
MW-192	Compliance	E008	01/22/2025	Temperature	14.8	degrees C
MW-192	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E008	01/22/2025	Total Dissolved Solids	446	mg/L
MW-192	Compliance	E008	01/22/2025	Turbidity, field	13.0	NTU
MW-193	Compliance	E008	01/22/2025	Antimony, total	0.0005 J	mg/L
MW-193	Compliance	E008	01/22/2025	Arsenic, total	0.00140	mg/L
MW-193	Compliance	E008	01/22/2025	Barium, total	0.0592	mg/L
MW-193	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E008	01/22/2025	Boron, total	0.0881	mg/L
MW-193	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E008	01/22/2025	Calcium, total	88.3	mg/L
MW-193	Compliance	E008	01/22/2025	Chloride, total	29.4	mg/L
MW-193	Compliance	E008	01/22/2025	Chromium, total	0.00200	mg/L
MW-193	Compliance	E008	01/22/2025	Cobalt, total	0.0008 J	mg/L
MW-193	Compliance	E008	01/22/2025	Dissolved Oxygen	0.710	mg/L
MW-193	Compliance	E008	01/22/2025	Fluoride, total	0.24 J	mg/L
MW-193	Compliance	E008	01/22/2025	Lead, total	0.0008 J	mg/L
MW-193	Compliance	E008	01/22/2025	Lithium, total	0.00520	mg/L

TABLE 1.
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845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E008	01/22/2025	Molybdenum, total	0.0009 J	mg/L
MW-193	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-34.0	mV
MW-193	Compliance	E008	01/22/2025	pH (field)	6.7	SU
MW-193	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0.483	pCi/L
MW-193	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	1,590	micromhos/cm
MW-193	Compliance	E008	01/22/2025	Sulfate, total	142	mg/L
MW-193	Compliance	E008	01/22/2025	Temperature	15.3	degrees C
MW-193	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E008	01/22/2025	Total Dissolved Solids	608	mg/L
MW-193	Compliance	E008	01/22/2025	Turbidity, field	13.0	NTU
MW-356	Compliance	E008	01/23/2025	Antimony, total	0.00220	mg/L
MW-356	Compliance	E008	01/23/2025	Arsenic, total	0.0007 J	mg/L
MW-356	Compliance	E008	01/23/2025	Barium, total	0.0411	mg/L
MW-356	Compliance	E008	01/23/2025	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E008	01/23/2025	Boron, total	2.78	mg/L
MW-356	Compliance	E008	01/23/2025	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E008	01/23/2025	Calcium, total	12.6	mg/L
MW-356	Compliance	E008	01/23/2025	Chloride, total	27.1	mg/L
MW-356	Compliance	E008	01/23/2025	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E008	01/23/2025	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E008	01/23/2025	Dissolved Oxygen	0.210	mg/L
MW-356	Compliance	E008	01/23/2025	Fluoride, total	1.86	mg/L
MW-356	Compliance	E008	01/23/2025	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E008	01/23/2025	Lithium, total	0.0799	mg/L
MW-356	Compliance	E008	01/23/2025	Mercury, total	0.00006 U	mg/L
MW-356	Compliance	E008	01/23/2025	Molybdenum, total	0.00270	mg/L
MW-356	Compliance	E008	01/23/2025	Oxidation Reduction Potential	-96.0	mV
MW-356	Compliance	E008	01/23/2025	pH (field)	7.7	SU
MW-356	Compliance	E008	01/23/2025	Radium 226 + Radium 228, total	1.02	pCi/L
MW-356	Compliance	E008	01/23/2025	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E008	01/23/2025	Specific Conductance @ 25C (field)	1,960	micromhos/cm
MW-356	Compliance	E008	01/23/2025	Sulfate, total	37.9	mg/L
MW-356	Compliance	E008	01/23/2025	Temperature	12.7	degrees C
MW-356	Compliance	E008	01/23/2025	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E008	01/23/2025	Total Dissolved Solids	652	mg/L
MW-356	Compliance	E008	01/23/2025	Turbidity, field	3.50	NTU
MW-369	Compliance	E008	01/23/2025	Antimony, total	0.0005 J	mg/L
MW-369	Compliance	E008	01/23/2025	Arsenic, total	0.00400	mg/L
MW-369	Compliance	E008	01/23/2025	Barium, total	0.119	mg/L
MW-369	Compliance	E008	01/23/2025	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E008	01/23/2025	Boron, total	0.298	mg/L
MW-369	Compliance	E008	01/23/2025	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E008	01/23/2025	Calcium, total	119	mg/L
MW-369	Compliance	E008	01/23/2025	Chloride, total	69.8	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E008	01/23/2025	Chromium, total	0.00150 J	mg/L
MW-369	Compliance	E008	01/23/2025	Cobalt, total	0.00220	mg/L
MW-369	Compliance	E008	01/23/2025	Dissolved Oxygen	0.0900	mg/L
MW-369	Compliance	E008	01/23/2025	Fluoride, total	0.610	mg/L
MW-369	Compliance	E008	01/23/2025	Lead, total	0.0006 J	mg/L
MW-369	Compliance	E008	01/23/2025	Lithium, total	0.0176	mg/L
MW-369	Compliance	E008	01/23/2025	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E008	01/23/2025	Molybdenum, total	0.00300	mg/L
MW-369	Compliance	E008	01/23/2025	Oxidation Reduction Potential	-208	mV
MW-369	Compliance	E008	01/23/2025	pH (field)	8.4	SU
MW-369	Compliance	E008	01/23/2025	Radium 226 + Radium 228, total	0.772	pCi/L
MW-369	Compliance	E008	01/23/2025	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E008	01/23/2025	Specific Conductance @ 25C (field)	3,960	micromhos/cm
MW-369	Compliance	E008	01/23/2025	Sulfate, total	96.1	mg/L
MW-369	Compliance	E008	01/23/2025	Temperature	13.6	degrees C
MW-369	Compliance	E008	01/23/2025	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E008	01/23/2025	Total Dissolved Solids	872	mg/L
MW-369	Compliance	E008	01/23/2025	Turbidity, field	37.0	NTU
MW-370	Compliance	E008	01/23/2025	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E008	01/23/2025	Arsenic, total	0.0007 J	mg/L
MW-370	Compliance	E008	01/23/2025	Barium, total	0.0334	mg/L
MW-370	Compliance	E008	01/23/2025	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E008	01/23/2025	Boron, total	1.86	mg/L
MW-370	Compliance	E008	01/23/2025	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E008	01/23/2025	Calcium, total	45.5	mg/L
MW-370	Compliance	E008	01/23/2025	Chloride, total	1,450	mg/L
MW-370	Compliance	E008	01/23/2025	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E008	01/23/2025	Cobalt, total	0.0001 J	mg/L
MW-370	Compliance	E008	01/23/2025	Dissolved Oxygen	0.170	mg/L
MW-370	Compliance	E008	01/23/2025	Fluoride, total	2.76	mg/L
MW-370	Compliance	E008	01/23/2025	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E008	01/23/2025	Lithium, total	0.141	mg/L
MW-370	Compliance	E008	01/23/2025	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E008	01/23/2025	Molybdenum, total	0.00690	mg/L
MW-370	Compliance	E008	01/23/2025	Oxidation Reduction Potential	-54.0	mV
MW-370	Compliance	E008	01/23/2025	pH (field)	7.6	SU
MW-370	Compliance	E008	01/23/2025	Radium 226 + Radium 228, total	1.01	pCi/L
MW-370	Compliance	E008	01/23/2025	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E008	01/23/2025	Specific Conductance @ 25C (field)	9,090	micromhos/cm
MW-370	Compliance	E008	01/23/2025	Sulfate, total	245	mg/L
MW-370	Compliance	E008	01/23/2025	Temperature	13.1	degrees C
MW-370	Compliance	E008	01/23/2025	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E008	01/23/2025	Total Dissolved Solids	3,080	mg/L
MW-370	Compliance	E008	01/23/2025	Turbidity, field	11.0	NTU
MW-382	Compliance	E008	01/23/2025	Antimony, total	0.0004 U	mg/L
MW-382	Compliance	E008	01/23/2025	Arsenic, total	0.00180	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E008	01/23/2025	Barium, total	0.0219	mg/L
MW-382	Compliance	E008	01/23/2025	Beryllium, total	0.0005 J	mg/L
MW-382	Compliance	E008	01/23/2025	Boron, total	1.84	mg/L
MW-382	Compliance	E008	01/23/2025	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E008	01/23/2025	Calcium, total	33.4	mg/L
MW-382	Compliance	E008	01/23/2025	Chloride, total	25.9	mg/L
MW-382	Compliance	E008	01/23/2025	Chromium, total	0.0102	mg/L
MW-382	Compliance	E008	01/23/2025	Cobalt, total	0.00200	mg/L
MW-382	Compliance	E008	01/23/2025	Dissolved Oxygen	0.390	mg/L
MW-382	Compliance	E008	01/23/2025	Fluoride, total	2.57	mg/L
MW-382	Compliance	E008	01/23/2025	Lead, total	0.00260	mg/L
MW-382	Compliance	E008	01/23/2025	Lithium, total	0.0611	mg/L
MW-382	Compliance	E008	01/23/2025	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E008	01/23/2025	Molybdenum, total	0.00230	mg/L
MW-382	Compliance	E008	01/23/2025	Oxidation Reduction Potential	-104	mV
MW-382	Compliance	E008	01/23/2025	pH (field)	7.7	SU
MW-382	Compliance	E008	01/23/2025	Radium 226 + Radium 228, total	1.21	pCi/L
MW-382	Compliance	E008	01/23/2025	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E008	01/23/2025	Specific Conductance @ 25C (field)	3,130	micromhos/cm
MW-382	Compliance	E008	01/23/2025	Sulfate, total	338	mg/L
MW-382	Compliance	E008	01/23/2025	Temperature	14.0	degrees C
MW-382	Compliance	E008	01/23/2025	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E008	01/23/2025	Total Dissolved Solids	1,200	mg/L
MW-382	Compliance	E008	01/23/2025	Turbidity, field	140	NTU
MW-392	Compliance	E008	01/22/2025	Antimony, total	0.0004 U	mg/L
MW-392	Compliance	E008	01/22/2025	Arsenic, total	0.0004 U	mg/L
MW-392	Compliance	E008	01/22/2025	Barium, total	0.0362	mg/L
MW-392	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E008	01/22/2025	Boron, total	1.97	mg/L
MW-392	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E008	01/22/2025	Calcium, total	28.2	mg/L
MW-392	Compliance	E008	01/22/2025	Chloride, total	952	mg/L
MW-392	Compliance	E008	01/22/2025	Chromium, total	0.00150 J	mg/L
MW-392	Compliance	E008	01/22/2025	Cobalt, total	0.0002 J	mg/L
MW-392	Compliance	E008	01/22/2025	Dissolved Oxygen	0.580	mg/L
MW-392	Compliance	E008	01/22/2025	Fluoride, total	3.71	mg/L
MW-392	Compliance	E008	01/22/2025	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E008	01/22/2025	Lithium, total	0.0834	mg/L
MW-392	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
MW-392	Compliance	E008	01/22/2025	Molybdenum, total	0.0006 U	mg/L
MW-392	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-161	mV
MW-392	Compliance	E008	01/22/2025	pH (field)	7.6	SU
MW-392	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0.781	pCi/L
MW-392	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	5,360	micromhos/cm
MW-392	Compliance	E008	01/22/2025	Sulfate, total	48.9	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E008	01/22/2025	Temperature	15.0	degrees C
MW-392	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E008	01/22/2025	Total Dissolved Solids	1,940	mg/L
MW-392	Compliance	E008	01/22/2025	Turbidity, field	60.0	NTU
MW-393	Compliance	E008	01/22/2025	Antimony, total	0.0004 U	mg/L
MW-393	Compliance	E008	01/22/2025	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E008	01/22/2025	Barium, total	0.0369	mg/L
MW-393	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E008	01/22/2025	Boron, total	1.75	mg/L
MW-393	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E008	01/22/2025	Calcium, total	6.10	mg/L
MW-393	Compliance	E008	01/22/2025	Chloride, total	846	mg/L
MW-393	Compliance	E008	01/22/2025	Chromium, total	0.0007 U	mg/L
MW-393	Compliance	E008	01/22/2025	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E008	01/22/2025	Dissolved Oxygen	0.0600	mg/L
MW-393	Compliance	E008	01/22/2025	Fluoride, total	8.90	mg/L
MW-393	Compliance	E008	01/22/2025	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E008	01/22/2025	Lithium, total	0.0710	mg/L
MW-393	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E008	01/22/2025	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-272	mV
MW-393	Compliance	E008	01/22/2025	pH (field)	8.1	SU
MW-393	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0	pCi/L
MW-393	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	6,770	micromhos/cm
MW-393	Compliance	E008	01/22/2025	Sulfate, total	142	mg/L
MW-393	Compliance	E008	01/22/2025	Temperature	15.1	degrees C
MW-393	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E008	01/22/2025	Total Dissolved Solids	2,500	mg/L
MW-393	Compliance	E008	01/22/2025	Turbidity, field	6.60	NTU
MW-394	Compliance	E008	01/22/2025	Antimony, total	0.0004 U	mg/L
MW-394	Compliance	E008	01/22/2025	Arsenic, total	0.0004 U	mg/L
MW-394	Compliance	E008	01/22/2025	Barium, total	0.0179	mg/L
MW-394	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E008	01/22/2025	Boron, total	1.92	mg/L
MW-394	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E008	01/22/2025	Calcium, total	9.19	mg/L
MW-394	Compliance	E008	01/22/2025	Chloride, total	808	mg/L
MW-394	Compliance	E008	01/22/2025	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E008	01/22/2025	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E008	01/22/2025	Dissolved Oxygen	0.0400	mg/L
MW-394	Compliance	E008	01/22/2025	Fluoride, total	4.44	mg/L
MW-394	Compliance	E008	01/22/2025	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E008	01/22/2025	Lithium, total	0.0740	mg/L
MW-394	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E008	01/22/2025	Molybdenum, total	0.0008 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-313	mV
MW-394	Compliance	E008	01/22/2025	pH (field)	7.9	SU
MW-394	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0.722	pCi/L
MW-394	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	7,050	micromhos/cm
MW-394	Compliance	E008	01/22/2025	Sulfate, total	240	mg/L
MW-394	Compliance	E008	01/22/2025	Temperature	14.8	degrees C
MW-394	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E008	01/22/2025	Total Dissolved Solids	2,350	mg/L
MW-394	Compliance	E008	01/22/2025	Turbidity, field	3.20	NTU
OW-256	Compliance	E008	01/27/2025	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E008	01/27/2025	Arsenic, total	0.00100	mg/L
OW-256	Compliance	E008	01/27/2025	Barium, total	0.0811	mg/L
OW-256	Compliance	E008	01/27/2025	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E008	01/27/2025	Boron, total	0.230	mg/L
OW-256	Compliance	E008	01/27/2025	Cadmium, total	0.0002 J	mg/L
OW-256	Compliance	E008	01/27/2025	Calcium, total	83.8	mg/L
OW-256	Compliance	E008	01/27/2025	Chloride, total	48.2	mg/L
OW-256	Compliance	E008	01/27/2025	Chromium, total	0.00160	mg/L
OW-256	Compliance	E008	01/27/2025	Cobalt, total	0.0005 J	mg/L
OW-256	Compliance	E008	01/27/2025	Dissolved Oxygen	2.54	mg/L
OW-256	Compliance	E008	01/27/2025	Fluoride, total	0.24 J	mg/L
OW-256	Compliance	E008	01/27/2025	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E008	01/27/2025	Lithium, total	0.0106	mg/L
OW-256	Compliance	E008	01/27/2025	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E008	01/27/2025	Molybdenum, total	0.0012 J	mg/L
OW-256	Compliance	E008	01/27/2025	Oxidation Reduction Potential	-22.0	mV
OW-256	Compliance	E008	01/27/2025	pH (field)	6.9	SU
OW-256	Compliance	E008	01/27/2025	Radium 226 + Radium 228, total	0.319	pCi/L
OW-256	Compliance	E008	01/27/2025	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E008	01/27/2025	Specific Conductance @ 25C (field)	352	micromhos/cm
OW-256	Compliance	E008	01/27/2025	Sulfate, total	61.7	mg/L
OW-256	Compliance	E008	01/27/2025	Temperature	12.7	degrees C
OW-256	Compliance	E008	01/27/2025	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E008	01/27/2025	Total Dissolved Solids	536	mg/L
OW-256	Compliance	E008	01/27/2025	Turbidity, field	6.00	NTU
OW-257	Compliance	E008	01/22/2025	Antimony, total	0.0004 U	mg/L
OW-257	Compliance	E008	01/22/2025	Arsenic, total	0.00110	mg/L
OW-257	Compliance	E008	01/22/2025	Barium, total	0.0917	mg/L
OW-257	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E008	01/22/2025	Boron, total	0.559	mg/L
OW-257	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E008	01/22/2025	Calcium, total	114	mg/L
OW-257	Compliance	E008	01/22/2025	Chloride, total	6.78	mg/L
OW-257	Compliance	E008	01/22/2025	Chromium, total	0.00160	mg/L
OW-257	Compliance	E008	01/22/2025	Cobalt, total	0.0001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E008	01/22/2025	Dissolved Oxygen	5.54	mg/L
OW-257	Compliance	E008	01/22/2025	Fluoride, total	0.37 J	mg/L
OW-257	Compliance	E008	01/22/2025	Lead, total	0.0006 U	mg/L
OW-257	Compliance	E008	01/22/2025	Lithium, total	0.0348	mg/L
OW-257	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E008	01/22/2025	Molybdenum, total	0.00250	mg/L
OW-257	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-98.0	mV
OW-257	Compliance	E008	01/22/2025	pH (field)	7.2	SU
OW-257	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0.944	pCi/L
OW-257	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	1,700	micromhos/cm
OW-257	Compliance	E008	01/22/2025	Sulfate, total	93.5	mg/L
OW-257	Compliance	E008	01/22/2025	Temperature	9.80	degrees C
OW-257	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E008	01/22/2025	Total Dissolved Solids	678	mg/L
OW-257	Compliance	E008	01/22/2025	Turbidity, field	2.40	NTU
PZ-170	Compliance	E008	01/22/2025	Antimony, total	0.0008 J	mg/L
PZ-170	Compliance	E008	01/22/2025	Arsenic, total	0.00130	mg/L
PZ-170	Compliance	E008	01/22/2025	Barium, total	0.136	mg/L
PZ-170	Compliance	E008	01/22/2025	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Boron, total	0.434	mg/L
PZ-170	Compliance	E008	01/22/2025	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Calcium, total	190	mg/L
PZ-170	Compliance	E008	01/22/2025	Chloride, total	78.9	mg/L
PZ-170	Compliance	E008	01/22/2025	Chromium, total	0.00490	mg/L
PZ-170	Compliance	E008	01/22/2025	Cobalt, total	0.0009 J	mg/L
PZ-170	Compliance	E008	01/22/2025	Dissolved Oxygen	0.680	mg/L
PZ-170	Compliance	E008	01/22/2025	Fluoride, total	0.2 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Lead, total	0.0006 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Lithium, total	0.0340	mg/L
PZ-170	Compliance	E008	01/22/2025	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Molybdenum, total	0.0007 J	mg/L
PZ-170	Compliance	E008	01/22/2025	Oxidation Reduction Potential	-248	mV
PZ-170	Compliance	E008	01/22/2025	pH (field)	6.6	SU
PZ-170	Compliance	E008	01/22/2025	Radium 226 + Radium 228, total	0.111	pCi/L
PZ-170	Compliance	E008	01/22/2025	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Specific Conductance @ 25C (field)	2,400	micromhos/cm
PZ-170	Compliance	E008	01/22/2025	Sulfate, total	114	mg/L
PZ-170	Compliance	E008	01/22/2025	Temperature	11.4	degrees C
PZ-170	Compliance	E008	01/22/2025	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E008	01/22/2025	Total Dissolved Solids	1,040	mg/L
PZ-170	Compliance	E008	01/22/2025	Turbidity, field	2.50	NTU
PZ-182	Compliance	E008	01/27/2025	Antimony, total	0.0004 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Arsenic, total	0.0009 J	mg/L
PZ-182	Compliance	E008	01/27/2025	Barium, total	0.0675	mg/L
PZ-182	Compliance	E008	01/27/2025	Beryllium, total	0.0002 U	mg/L

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

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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E008	01/27/2025	Boron, total	0.551	mg/L
PZ-182	Compliance	E008	01/27/2025	Cadmium, total	0.0002 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Calcium, total	162	mg/L
PZ-182	Compliance	E008	01/27/2025	Chloride, total	21.2	mg/L
PZ-182	Compliance	E008	01/27/2025	Chromium, total	0.0007 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Cobalt, total	0.0002 J	mg/L
PZ-182	Compliance	E008	01/27/2025	Dissolved Oxygen	0.810	mg/L
PZ-182	Compliance	E008	01/27/2025	Fluoride, total	0.2 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Lithium, total	0.0145	mg/L
PZ-182	Compliance	E008	01/27/2025	Mercury, total	0.00006 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Oxidation Reduction Potential	-68.0	mV
PZ-182	Compliance	E008	01/27/2025	pH (field)	6.6	SU
PZ-182	Compliance	E008	01/27/2025	Radium 226 + Radium 228, total	0.125	pCi/L
PZ-182	Compliance	E008	01/27/2025	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Specific Conductance @ 25C (field)	340	micromhos/cm
PZ-182	Compliance	E008	01/27/2025	Sulfate, total	141	mg/L
PZ-182	Compliance	E008	01/27/2025	Temperature	14.7	degrees C
PZ-182	Compliance	E008	01/27/2025	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E008	01/27/2025	Total Dissolved Solids	746	mg/L
PZ-182	Compliance	E008	01/27/2025	Turbidity, field	6.50	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E008 = Quarter 1, 2025 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

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

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

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

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-192	UU	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	47	CI around geomean	0.00117	0.010	Standard	No Exceedance
MW-192	UU	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0885	2.0	Standard	No Exceedance
MW-192	UU	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	13	CI around mean	0.0277	2.23	Background	No Exceedance
MW-192	UU	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	10.3	1,370	Background	No Exceedance
MW-192	UU	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	87	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	53	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	13	CI around median	0.4	4.0	Standard	No Exceedance
MW-192	UU	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	7	CB around linear reg	-0.023	0.123	Background	No Exceedance
MW-192	UU	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	20	CI around geomean	0.00179	0.1	Standard	No Exceedance
MW-192	UU	E008	pH (field)	SU	10/27/22 - 01/22/25	15	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-192	UU	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.322	5	Standard	No Exceedance
MW-192	UU	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	-8.43	400	Standard	No Exceedance
MW-192	UU	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CB around T-S line	54	3,260	Background	No Exceedance
MW-193	UU	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	93	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	33	CB around T-S line	-0.00198	0.010	Standard	No Exceedance
MW-193	UU	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around geomean	0.071	2.0	Standard	No Exceedance
MW-193	UU	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	7	CI around mean	0.0399	2.23	Background	No Exceedance
MW-193	UU	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	28.4	1,370	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-193	UU	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	93	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	13	CI around median	0.24	4.0	Standard	No Exceedance
MW-193	UU	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	13	CI around mean	0.00408	0.123	Background	No Exceedance
MW-193	UU	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E008	pH (field)	SU	10/27/22 - 01/22/25	15	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-193	UU	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.478	5	Standard	No Exceedance
MW-193	UU	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	152	400	Standard	No Exceedance
MW-193	UU	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	551	3,260	Background	No Exceedance
MW-356	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	30	87	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	33	85	CI around median	0.001	0.010	Standard	No Exceedance
MW-356	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	33	0	CI around median	0.0299	2.0	Standard	No Exceedance
MW-356	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	34	0	CI around median	1.94	2.23	Background	No Exceedance
MW-356	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	27	1,370	Background	No Exceedance
MW-356	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	32	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	1.98	4.0	Standard	No Exceedance
MW-356	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	31	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	33	0	CI around median	0.0523	0.123	Background	No Exceedance
MW-356	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	33	61	CI around median	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-356	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	34	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-356	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	33	0	CI around median	0.146	5	Standard	No Exceedance
MW-356	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	30	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	41.1	400	Standard	No Exceedance
MW-356	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	33	0	CI around mean	660	3,260	Background	No Exceedance
MW-369	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	24	79	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	27	11	CI around geomean	0.0015	0.010	Standard	No Exceedance
MW-369	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	27	0	CB around T-S line	0.0774	2.0	Standard	No Exceedance
MW-369	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	28	0	CB around linear reg	-0.228	2.23	Background	No Exceedance
MW-369	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	28	0	CI around geomean	83.3	1,370	Background	No Exceedance
MW-369	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	26	88	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-369	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	25	72	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	28	0	CB around T-S line	-0.0803	4.0	Standard	No Exceedance
MW-369	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	25	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	27	4	CB around T-S line	0.0096	0.123	Background	No Exceedance
MW-369	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	27	4	CB around T-S line	-0.00688	0.1	Standard	No Exceedance
MW-369	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	28	0	CI around median	7.1/8.4	6.5/9.0	Standard/Standard	No Exceedance
MW-369	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	27	0	CI around mean	0.471	5	Standard	No Exceedance
MW-369	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	24	71	CB around T-S line	-0.0054	0.05	Standard	No Exceedance
MW-369	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	28	0	CB around T-S line	-12.3	400	Standard	No Exceedance
MW-369	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	28	0	CI around median	732	3,260	Background	No Exceedance
MW-370	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	30	77	CB around T-S line	0.000294	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-370	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	33	64	CB around T-S line	0.000157	0.010	Standard	No Exceedance
MW-370	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	33	0	CB around T-S line	0.0276	2.0	Standard	No Exceedance
MW-370	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	34	0	CI around median	1.79	2.23	Background	No Exceedance
MW-370	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	1,410	1,370	Background	Exceedance
MW-370	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	32	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-370	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	31	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	3.04	4.0	Standard	No Exceedance
MW-370	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	31	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	33	0	CI around geomean	0.132	0.123	Background	Exceedance
MW-370	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	33	3	CB around T-S line	0.00113	0.1	Standard	No Exceedance
MW-370	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	34	0	CB around T-S line	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-370	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	33	0	CI around geomean	0.586	5	Standard	No Exceedance
MW-370	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	30	97	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	34	0	CI around mean	249	400	Standard	No Exceedance
MW-370	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	3,000	3,260	Background	No Exceedance
MW-382	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	24	96	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-382	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	27	18	CI around median	0.0012	0.010	Standard	No Exceedance
MW-382	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	27	0	CI around mean	0.0186	2.0	Standard	No Exceedance
MW-382	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	22	96	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	28	0	CI around median	1.71	2.23	Background	No Exceedance
MW-382	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	28	0	CI around mean	33.8	1,370	Background	No Exceedance
MW-382	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	26	8	CB around linear reg	0.00865	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-382	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	25	56	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	28	0	CI around mean	2.81	4.0	Standard	No Exceedance
MW-382	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	25	48	CB around linear reg	0.0024	0.0075	Standard	No Exceedance
MW-382	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	27	0	CI around median	0.0575	0.123	Background	No Exceedance
MW-382	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	27	22	CI around geomean	0.00133	0.1	Standard	No Exceedance
MW-382	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	28	0	CI around mean	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-382	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	27	0	CB around T-S line	0.482	5	Standard	No Exceedance
MW-382	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	28	0	CB around linear reg	352	400	Standard	No Exceedance
MW-382	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	28	0	CI around median	1,120	3,260	Background	No Exceedance
MW-392	UA	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	73	CI around median	0.001	0.010	Standard	No Exceedance
MW-392	UA	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.038	2.0	Standard	No Exceedance
MW-392	UA	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	1.74	2.23	Background	No Exceedance
MW-392	UA	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CI around median	827	1,370	Background	No Exceedance
MW-392	UA	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	60	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	3.77	4.0	Standard	No Exceedance
MW-392	UA	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	93	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	0.0588	0.123	Background	No Exceedance
MW-392	UA	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E008	pH (field)	SU	10/27/22 - 01/22/25	16	0	CI around median	7.6/7.7	6.5/9.0	Standard/Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-392	UA	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.4	5	Standard	No Exceedance
MW-392	UA	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CI around median	48.9	400	Standard	No Exceedance
MW-392	UA	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	1,730	3,260	Background	No Exceedance
MW-393	UA	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	87	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.010	Standard	No Exceedance
MW-393	UA	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0275	2.0	Standard	No Exceedance
MW-393	UA	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	0	CI around median	1.61	2.23	Background	No Exceedance
MW-393	UA	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	782	1,370	Background	No Exceedance
MW-393	UA	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	8.71	4.0	Standard	Exceedance
MW-393	UA	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0626	0.123	Background	No Exceedance
MW-393	UA	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	67	CB around T-S line	-0.00993	0.1	Standard	No Exceedance
MW-393	UA	E008	pH (field)	SU	10/27/22 - 01/22/25	16	0	CI around mean	8.0/8.3	6.5/9.0	Standard/Standard	No Exceedance
MW-393	UA	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.212	5	Standard	No Exceedance
MW-393	UA	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	83.2	400	Standard	No Exceedance
MW-393	UA	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CB around T-S line	2,520	3,260	Background	No Exceedance
MW-394	UA	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	73	CB around T-S line	-0.00182	0.006	Standard	No Exceedance
MW-394	UA	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	60	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-394	UA	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0249	2.0	Standard	No Exceedance
MW-394	UA	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	1.65	2.23	Background	No Exceedance
MW-394	UA	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	544	1,370	Background	No Exceedance
MW-394	UA	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	73	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	3.62	4.0	Standard	No Exceedance
MW-394	UA	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.056	0.123	Background	No Exceedance
MW-394	UA	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	47	CB around linear reg	-0.00564	0.1	Standard	No Exceedance
MW-394	UA	E008	pH (field)	SU	10/27/22 - 01/22/25	15	0	CI around mean	7.8/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-394	UA	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.411	5	Standard	No Exceedance
MW-394	UA	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	93	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	12.2	400	Standard	No Exceedance
MW-394	UA	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	1,890	3,260	Background	No Exceedance
OW-256	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/27/25	9	33	CI around median	0.001	0.010	Standard	No Exceedance
OW-256	PMP	E008	Barium, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.0792	2.0	Standard	No Exceedance
OW-256	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E008	Boron, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.175	2.23	Background	No Exceedance
OW-256	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	51.5	1,370	Background	No Exceedance
OW-256	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/27/25	9	78	CI around median	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/27/25	9	67	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-256	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/27/25	9	22	CB around linear reg	0.296	4.0	Standard	No Exceedance
OW-256	PMP	E008	Lead, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/27/25	9	11	CI around mean	0.00515	0.123	Background	No Exceedance
OW-256	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E008	pH (field)	SU	03/14/23 - 01/27/25	9	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
OW-256	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/27/25	9	0	CB around linear reg	-0.0972	5	Standard	No Exceedance
OW-256	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	64.3	400	Standard	No Exceedance
OW-256	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	487	3,260	Background	No Exceedance
OW-257	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/22/25	9	56	CI around median	0.001	0.006	Standard	No Exceedance
OW-257	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/22/25	9	11	CB around linear reg	-0.079	0.010	Standard	No Exceedance
OW-257	PMP	E008	Barium, total	mg/L	03/14/23 - 01/22/25	9	0	CB around linear reg	-0.589	2.0	Standard	No Exceedance
OW-257	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/22/25	9	89	CI around median	0.001	0.004	Standard	No Exceedance
OW-257	PMP	E008	Boron, total	mg/L	03/14/23 - 01/22/25	9	0	CI around mean	0.475	2.23	Background	No Exceedance
OW-257	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/22/25	9	89	CI around median	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/22/25	9	0	CI around mean	6.89	1,370	Background	No Exceedance
OW-257	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/22/25	9	56	CI around median	0.0015	0.1	Standard	No Exceedance
OW-257	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/22/25	9	33	CI around median	0.001	0.006	Standard	No Exceedance
OW-257	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/22/25	9	22	CI around mean	0.386	4.0	Standard	No Exceedance
OW-257	PMP	E008	Lead, total	mg/L	03/14/23 - 01/22/25	9	67	CI around median	0.001	0.0075	Standard	No Exceedance
OW-257	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/22/25	9	0	CI around median	0.0299	0.123	Background	No Exceedance
OW-257	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/22/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/22/25	9	22	CI around median	0.0026	0.1	Standard	No Exceedance
OW-257	PMP	E008	pH (field)	SU	03/14/23 - 01/22/25	9	0	CI around mean	6.8/7.2	6.5/9.0	Standard/Standard	No Exceedance
OW-257	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/22/25	9	0	CI around median	0.797	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-257	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/22/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/22/25	9	0	CB around linear reg	80.2	400	Standard	No Exceedance
OW-257	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/22/25	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/22/25	9	0	CI around median	682	3,260	Background	No Exceedance
PZ-170	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/22/25	8	75	CI around median	0.001	0.006	Standard	No Exceedance
PZ-170	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/22/25	8	38	CI around median	0.001	0.010	Standard	No Exceedance
PZ-170	PMP	E008	Barium, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	0.0716	2.0	Standard	No Exceedance
PZ-170	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E008	Boron, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	0.259	2.23	Background	No Exceedance
PZ-170	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/22/25	8	0	CI around median	35	1,370	Background	No Exceedance
PZ-170	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/22/25	8	62	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/22/25	8	25	CB around linear reg	-0.00213	0.006	Standard	No Exceedance
PZ-170	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/22/25	8	25	CB around linear reg	0.205	4.0	Standard	No Exceedance
PZ-170	PMP	E008	Lead, total	mg/L	03/14/23 - 01/22/25	8	88	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-170	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	0.0291	0.123	Background	No Exceedance
PZ-170	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E008	pH (field)	SU	03/14/23 - 01/22/25	9	0	CI around mean	6.5/6.6	6.5/9.0	Standard/Standard	No Exceedance
PZ-170	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/22/25	9	0	CI around mean	0.168	5	Standard	No Exceedance
PZ-170	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	155	400	Standard	No Exceedance
PZ-170	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-170	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	915	3,260	Background	No Exceedance
PZ-182	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.001	0.010	Standard	No Exceedance
PZ-182	PMP	E008	Barium, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.0575	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-182	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E008	Boron, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.428	2.23	Background	No Exceedance
PZ-182	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/27/25	9	0	CI around geomean	23	1,370	Background	No Exceedance
PZ-182	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/27/25	9	89	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/27/25	9	22	CI around median	0.16	4.0	Standard	No Exceedance
PZ-182	PMP	E008	Lead, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.0113	0.123	Background	No Exceedance
PZ-182	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E008	pH (field)	SU	03/14/23 - 01/27/25	9	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-182	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/27/25	9	0	CI around mean	0.267	5	Standard	No Exceedance
PZ-182	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	136	400	Standard	No Exceedance
PZ-182	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	643	3,260	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:

Compliance Result:

No Exceedance: the statistical result did not exceed the GWPS.

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the Bottom Ash Pond. The proposed groundwater monitoring program was revised on August 1, 2023. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

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

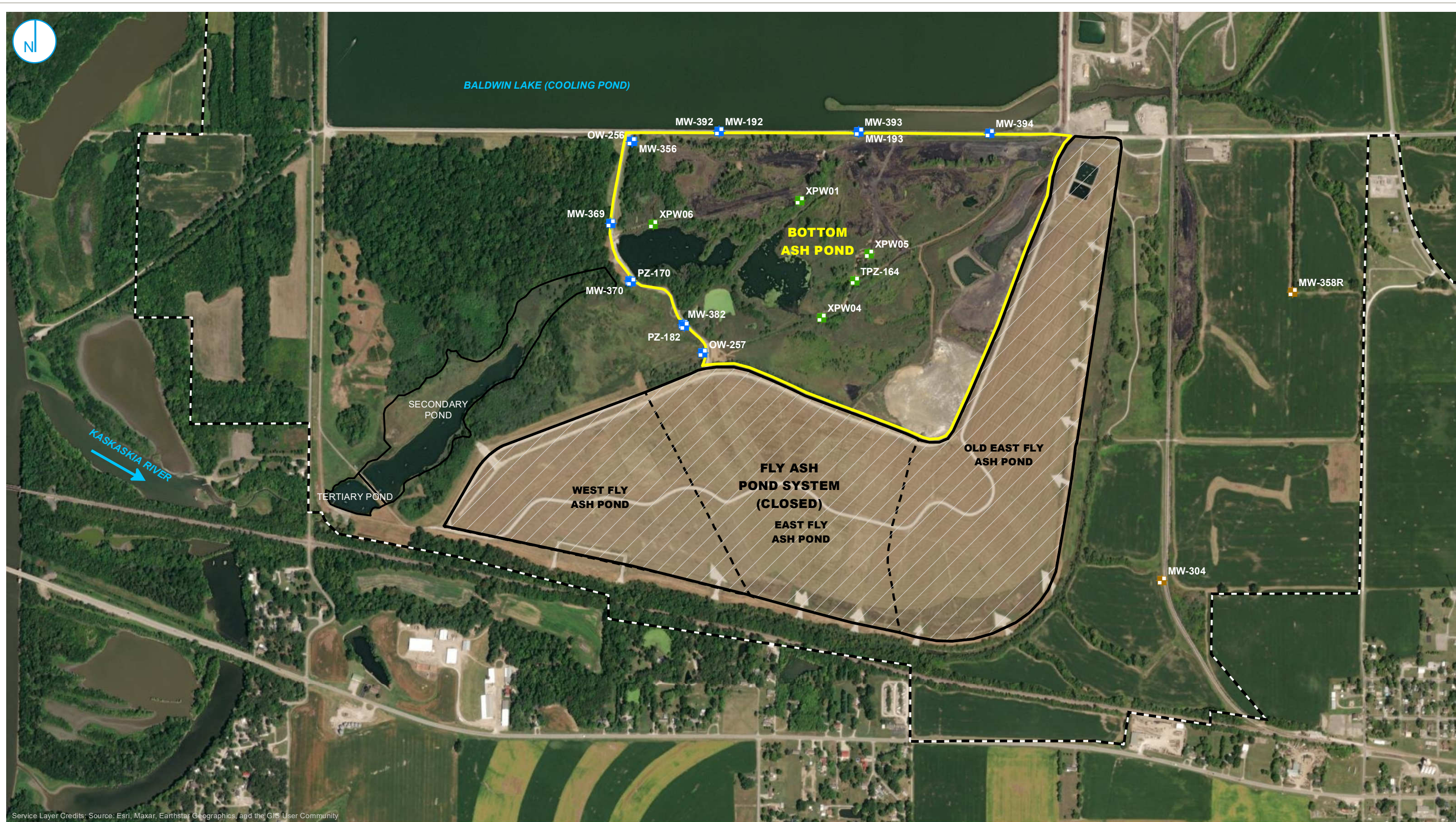
GWPS Source:

Background = background concentration

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

FIGURES

PROJECT: 169000XXXX | DATED: 6/20/2023 | DESIGNER: GALARNMC
Y:\Mapping\Projects\2212285\MXD\845_Operating_Permit\Baldwin\BAP\2023_Update\GMP\Figure 2-1_BAL BAP Proposed Monitoring Well Network.mxd



- BACKGROUND WELL
- COMPLIANCE WELL
- PORE WATER WELL
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY



MONITORING WELL LOCATION MAP

FIGURE 1

BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

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

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

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-192	Compliance	01/21/2025	8.42	428.64
MW-193	Compliance	01/21/2025	8.33	429.85
MW-304	Background	01/21/2025	9.01	446.30
MW-356	Compliance	01/21/2025	4.47	423.32
MW-358R	Background	01/24/2025	[31.36]	[424.76]
MW-369	Compliance	01/21/2025	10.27	412.43
MW-370	Compliance	01/21/2025	17.66	403.11
MW-382	Compliance	01/21/2025	15.28	415.83
MW-392	Compliance	01/21/2025	8.69	428.40
MW-393	Compliance	01/21/2025	7.81	430.22
MW-394	Compliance	01/21/2025	7.61	430.79
OW-256	Compliance	01/21/2025	4.69	423.44
OW-257	Compliance	01/21/2025	4.83	426.28
PZ-170	Compliance	01/22/2025	13.52	407.55
PZ-182	Compliance	01/21/2025	15.59	415.74
TPZ-164	Water Level	01/21/2025	3.52	431.53
XPW01	Water Level	01/21/2025	9.77	428.02
XPW05	Water Level	01/21/2025	4.33	433.00
XPW06	Water Level	01/21/2025	1.89	415.84

Notes:
BMP = below measuring point
Bracketing [] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

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

March 04, 2025

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



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

RE: BAL-25Q1

WorkOrder: 25010181

Dear Eric Bauer:

TEKLAB, INC received 23 samples for BAL_845_601 on 1/27/2025 2:15:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	35
Quality Control Results	36
Receiving Check List	80
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Cooler Receipt Temp: 12.9 °C

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

Equipment Blanks were not needed.

Per Eric Bauer's request, only BAL_845_601 data is included in this report. EAH 3/4/25

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-009
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25

Client Sample ID: MW-192

Collection Date: 01/22/2025 13:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.55	ft	1	01/22/2025 13:10	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	01/22/2025 13:10	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-116	mV	1	01/22/2025 13:10	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1330	µS/cm	1	01/22/2025 13:10	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	01/22/2025 13:10	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.79	mg/L	1	01/22/2025 13:10	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		6.92		1	01/22/2025 13:10	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		350	mg/L	1	01/23/2025 12:25	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 12:25	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		446	mg/L	1	01/23/2025 13:03	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.35	mg/L	10	01/23/2025 11:25	R359271
Chloride	NELAP	1.00	5.00		19.6	mg/L	10	01/23/2025 11:25	R359271
Sulfate	NELAP	3.00	10.0		15.4	mg/L	10	01/23/2025 11:25	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		72.8	mg/L	1	01/23/2025 15:18	233786
Magnesium	NELAP	0.0055	0.0500		33.4	mg/L	1	01/23/2025 15:18	233786
Potassium	NELAP	0.0400	0.100		0.528	mg/L	1	01/23/2025 15:18	233786
Sodium	NELAP	0.0180	0.0500		52.2	mg/L	1	01/24/2025 16:30	233786
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	01/23/2025 11:41	233786
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	01/23/2025 11:41	233786
Barium	NELAP	0.0007	0.0010		0.0754	mg/L	5	01/24/2025 10:38	233786
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/23/2025 11:41	233786
Boron	NELAP	0.0092	0.0250		0.0576	mg/L	5	01/23/2025 11:41	233786
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/23/2025 11:41	233786
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	01/23/2025 11:41	233786
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	01/23/2025 11:41	233786
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/23/2025 11:41	233786
Lithium	*	0.0015	0.0030		0.0037	mg/L	5	01/24/2025 10:38	233786
Molybdenum	NELAP	0.0006	0.0015		0.0023	mg/L	5	01/23/2025 11:41	233786
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/23/2025 11:41	233786
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/23/2025 11:41	233786
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:29	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-010
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25

Client Sample ID: MW-193

Collection Date: 01/22/2025 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.53	ft	1	01/22/2025 13:49	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	01/22/2025 13:49	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-34	mV	1	01/22/2025 13:49	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1590	µS/cm	1	01/22/2025 13:49	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	01/22/2025 13:49	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	01/22/2025 13:49	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		6.65		1	01/22/2025 13:49	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		298	mg/L	1	01/23/2025 12:20	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 12:20	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		608	mg/L	1	01/23/2025 13:04	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.24	mg/L	10	01/23/2025 12:18	R359271
Chloride	NELAP	1.00	5.00		29.4	mg/L	10	01/23/2025 12:18	R359271
Sulfate	NELAP	3.00	10.0		142	mg/L	10	01/23/2025 12:18	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		88.3	mg/L	1	01/23/2025 15:18	233786
Magnesium	NELAP	0.0055	0.0500		35.4	mg/L	1	01/23/2025 15:18	233786
Potassium	NELAP	0.0400	0.100		0.799	mg/L	1	01/23/2025 15:18	233786
Sodium	NELAP	0.0180	0.0500		77.3	mg/L	1	01/24/2025 16:31	233786
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	01/23/2025 11:47	233786
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	01/23/2025 11:47	233786
Barium	NELAP	0.0007	0.0010		0.0592	mg/L	5	01/24/2025 11:27	233786
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/23/2025 11:47	233786
Boron	NELAP	0.0092	0.0250		0.0881	mg/L	5	01/23/2025 11:47	233786
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/23/2025 11:47	233786
Chromium	NELAP	0.0007	0.0015		0.0020	mg/L	5	01/23/2025 11:47	233786
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	01/23/2025 11:47	233786
Lead	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	01/23/2025 11:47	233786
Lithium	*	0.0015	0.0030		0.0052	mg/L	5	01/24/2025 15:22	233786
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	01/23/2025 11:47	233786
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/23/2025 11:47	233786
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/23/2025 11:47	233786
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:31	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-016
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-304
Collection Date: 01/22/2025 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.99	ft	1	01/22/2025 13:32	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	01/22/2025 13:32	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		92	mV	1	01/22/2025 13:32	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2090	µS/cm	1	01/22/2025 13:32	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	01/22/2025 13:32	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.08	mg/L	1	01/22/2025 13:32	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.74		1	01/22/2025 13:32	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		748	mg/L	1	01/23/2025 12:11	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		10	mg/L	1	01/23/2025 12:11	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1410	mg/L	1	01/23/2025 13:05	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.55	mg/L	10	01/23/2025 21:03	R359271
Chloride	NELAP	1.00	5.00		161	mg/L	10	01/23/2025 21:03	R359271
Sulfate	NELAP	3.00	10.0		178	mg/L	10	01/23/2025 21:03	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		11.1	mg/L	1	01/24/2025 15:48	233790
Magnesium	NELAP	0.0055	0.0500		4.36	mg/L	1	01/24/2025 15:48	233790
Potassium	NELAP	0.0400	0.100		2.16	mg/L	1	01/24/2025 15:48	233790
Sodium	NELAP	0.180	0.500	S	556	mg/L	10	01/28/2025 13:28	233790
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 10:44	233790
Arsenic	NELAP	0.0004	0.0010		0.0026	mg/L	5	01/27/2025 8:58	233790
Barium	NELAP	0.0007	0.0010		0.0175	mg/L	5	01/27/2025 8:58	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 10:44	233790
Boron	NELAP	0.0092	0.0250		1.82	mg/L	5	01/24/2025 17:12	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 10:44	233790
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	01/24/2025 10:44	233790
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 10:44	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 10:44	233790
Lithium	*	0.0015	0.0030		0.0962	mg/L	5	01/24/2025 10:44	233790
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	01/24/2025 10:44	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 10:44	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 10:44	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:34	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-020
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25

Client Sample ID: MW-356

Collection Date: 01/23/2025 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.60	ft	1	01/23/2025 11:47	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.5	NTU	1	01/23/2025 11:47	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-96	mV	1	01/23/2025 11:47	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1960	µS/cm	1	01/23/2025 11:47	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.7	°C	1	01/23/2025 11:47	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.21	mg/L	1	01/23/2025 11:47	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.70		1	01/23/2025 11:47	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		505	mg/L	1	01/24/2025 12:04	R359304
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/24/2025 12:04	R359304
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		652	mg/L	1	01/23/2025 16:35	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.86	mg/L	10	01/24/2025 20:57	R359272
Chloride	NELAP	1.00	5.00		27.1	mg/L	10	01/24/2025 20:57	R359272
Sulfate	NELAP	3.00	10.0		37.9	mg/L	10	01/24/2025 20:57	R359272
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		12.6	mg/L	1	01/28/2025 19:03	233831
Magnesium	NELAP	0.0055	0.0500		7.65	mg/L	1	01/27/2025 17:26	233831
Potassium	NELAP	0.0400	0.100		2.91	mg/L	1	01/27/2025 17:26	233831
Sodium	NELAP	0.0200	0.0500		270	mg/L	1	01/28/2025 19:03	233831
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0022	mg/L	5	01/24/2025 19:38	233831
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	01/24/2025 19:38	233831
Barium	NELAP	0.0007	0.0010		0.0411	mg/L	5	01/24/2025 19:38	233831
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 19:38	233831
Boron	NELAP	0.0092	0.0250		2.78	mg/L	5	01/24/2025 19:38	233831
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 19:38	233831
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/24/2025 19:38	233831
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 19:38	233831
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 19:38	233831
Lithium	*	0.0015	0.0030		0.0799	mg/L	5	01/24/2025 19:38	233831
Molybdenum	NELAP	0.0006	0.0015		0.0027	mg/L	5	01/24/2025 19:38	233831
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 19:38	233831
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 19:38	233831
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 19:30	233858



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-021
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-358R
Collection Date: 01/24/2025 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		31.68	ft	1	01/24/2025 11:34	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		170	NTU	1	01/24/2025 11:34	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		50	mV	1	01/24/2025 11:34	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4080	µS/cm	1	01/24/2025 11:34	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.7	°C	1	01/24/2025 11:34	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.02	mg/L	1	01/24/2025 11:34	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.27		1	01/24/2025 11:34	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		772	mg/L	1	01/27/2025 9:39	R359379
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/27/2025 9:39	R359379
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3020	mg/L	1	01/27/2025 15:30	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.26	mg/L	10	01/28/2025 18:50	R359470
Chloride	NELAP	1.00	5.00		1330	mg/L	10	01/28/2025 18:50	R359470
Sulfate	NELAP	3.00	10.0		21.2	mg/L	10	01/28/2025 18:50	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0520	0.100		38.9	mg/L	1	01/28/2025 15:31	233903
Magnesium	NELAP	0.0070	0.0500		12.2	mg/L	1	01/28/2025 15:31	233903
Potassium	NELAP	0.0400	0.100		7.53	mg/L	1	01/28/2025 15:31	233903
Sodium	NELAP	0.0180	0.0500	B	1390	mg/L	1	01/28/2025 15:31	233903
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	01/28/2025 16:43	233903
Arsenic	NELAP	0.0004	0.0010		0.0023	mg/L	5	01/28/2025 16:43	233903
Barium	NELAP	0.0007	0.0010		0.195	mg/L	5	01/28/2025 16:43	233903
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/29/2025 17:03	233903
Boron	NELAP	0.0092	0.0250		1.30	mg/L	5	01/29/2025 17:03	233903
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	01/28/2025 16:43	233903
Chromium	NELAP	0.0007	0.0015		0.0040	mg/L	5	01/28/2025 16:43	233903
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	01/28/2025 16:43	233903
Lead	NELAP	0.0006	0.0010		0.0013	mg/L	5	01/28/2025 16:43	233903
Lithium	*	0.0015	0.0030		0.0091	mg/L	5	01/29/2025 17:03	233903
Molybdenum	NELAP	0.0006	0.0015		0.0278	mg/L	5	01/29/2025 17:03	233903
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 16:43	233903
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 16:43	233903
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:06	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-023
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-369
Collection Date: 01/23/2025 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.92	ft	1	01/23/2025 13:44	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		37	NTU	1	01/23/2025 13:44	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-208	mV	1	01/23/2025 13:44	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3960	µS/cm	1	01/23/2025 13:44	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.6	°C	1	01/23/2025 13:44	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.09	mg/L	1	01/23/2025 13:44	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		8.39		1	01/23/2025 13:44	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		548	mg/L	1	01/24/2025 12:18	R359304
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/24/2025 12:18	R359304
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		872	mg/L	1.67	01/23/2025 16:36	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.61	mg/L	10	01/24/2025 21:21	R359272
Chloride	NELAP	1.00	5.00		69.8	mg/L	10	01/24/2025 21:21	R359272
Sulfate	NELAP	3.00	10.0		96.1	mg/L	10	01/24/2025 21:21	R359272
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		119	mg/L	1	01/28/2025 19:07	233831
Magnesium	NELAP	0.0055	0.0500		37.5	mg/L	1	01/27/2025 17:30	233831
Potassium	NELAP	0.0400	0.100		3.99	mg/L	1	01/27/2025 17:30	233831
Sodium	NELAP	0.0200	0.0500		122	mg/L	1	01/28/2025 19:07	233831
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	01/24/2025 19:50	233831
Arsenic	NELAP	0.0004	0.0010		0.0040	mg/L	5	01/24/2025 19:50	233831
Barium	NELAP	0.0007	0.0010		0.119	mg/L	5	01/24/2025 19:50	233831
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 19:50	233831
Boron	NELAP	0.0092	0.0250		0.298	mg/L	5	01/24/2025 19:50	233831
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 19:50	233831
Chromium	NELAP	0.0007	0.0015	J	0.0015	mg/L	5	01/24/2025 19:50	233831
Cobalt	NELAP	0.0001	0.0010		0.0022	mg/L	5	01/24/2025 19:50	233831
Lead	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	01/24/2025 19:50	233831
Lithium	*	0.0015	0.0030		0.0176	mg/L	5	01/24/2025 19:50	233831
Molybdenum	NELAP	0.0006	0.0015		0.0030	mg/L	5	01/24/2025 19:50	233831
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 19:50	233831
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 19:50	233831
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 19:35	233858



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Lab ID: 25010181-024

Client Sample ID: MW-370

Matrix: GROUNDWATER

Collection Date: 01/23/2025 14:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.06	ft	1	01/23/2025 14:17	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	01/23/2025 14:17	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-54	mV	1	01/23/2025 14:17	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		9090	µS/cm	1	01/23/2025 14:17	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.1	°C	1	01/23/2025 14:17	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.17	mg/L	1	01/23/2025 14:17	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.56		1	01/23/2025 14:17	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		387	mg/L	1	01/24/2025 12:36	R359304
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/24/2025 12:36	R359304
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3080	mg/L	1	01/23/2025 16:43	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		2.76	mg/L	10	01/24/2025 21:32	R359272
Chloride	NELAP	1.00	5.00		1450	mg/L	10	01/24/2025 21:32	R359272
Sulfate	NELAP	3.00	10.0		245	mg/L	10	01/24/2025 21:32	R359272
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		45.5	mg/L	1	01/28/2025 19:16	233831
Magnesium	NELAP	0.0055	0.0500		25.2	mg/L	1	01/27/2025 17:31	233831
Potassium	NELAP	0.0400	0.100		6.63	mg/L	1	01/27/2025 17:31	233831
Sodium	NELAP	0.0180	0.0500		1280	mg/L	1	01/28/2025 19:16	233831
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 19:56	233831
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	01/24/2025 19:56	233831
Barium	NELAP	0.0007	0.0010		0.0334	mg/L	5	01/24/2025 19:56	233831
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 19:56	233831
Boron	NELAP	0.0092	0.0250		1.86	mg/L	5	01/24/2025 19:56	233831
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 19:56	233831
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/24/2025 19:56	233831
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	01/24/2025 19:56	233831
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 19:56	233831
Lithium	*	0.0015	0.0030		0.141	mg/L	5	01/24/2025 19:56	233831
Molybdenum	NELAP	0.0006	0.0015		0.0069	mg/L	5	01/24/2025 19:56	233831
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 19:56	233831
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 19:56	233831
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 19:41	233858



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Lab ID: 25010181-027

Client Sample ID: MW-382

Matrix: GROUNDWATER

Collection Date: 01/23/2025 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		15.41	ft	1	01/23/2025 12:23	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		140	NTU	1	01/23/2025 12:23	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-104	mV	1	01/23/2025 12:23	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3130	µS/cm	1	01/23/2025 12:23	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.0	°C	1	01/23/2025 12:23	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.39	mg/L	1	01/23/2025 12:23	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.73		1	01/23/2025 12:23	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		460	mg/L	1	01/24/2025 12:59	R359304
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/24/2025 12:59	R359304
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		1200	mg/L	1.67	01/23/2025 16:44	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		2.57	mg/L	10	01/24/2025 22:42	R359272
Chloride	NELAP	1.00	5.00		25.9	mg/L	10	01/24/2025 22:42	R359272
Sulfate	NELAP	3.00	10.0		338	mg/L	10	01/24/2025 22:42	R359272
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		33.4	mg/L	1	01/28/2025 19:21	233831
Magnesium	NELAP	0.0055	0.0500		11.9	mg/L	1	01/27/2025 17:43	233831
Potassium	NELAP	0.0400	0.100		5.12	mg/L	1	01/27/2025 17:43	233831
Sodium	NELAP	0.0180	0.0500		407	mg/L	1	01/28/2025 19:21	233831
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 20:15	233831
Arsenic	NELAP	0.0004	0.0010		0.0018	mg/L	5	01/24/2025 20:15	233831
Barium	NELAP	0.0007	0.0010		0.0219	mg/L	5	01/24/2025 20:15	233831
Beryllium	NELAP	0.0002	0.0010	J	0.0005	mg/L	5	01/24/2025 20:15	233831
Boron	NELAP	0.0092	0.0250		1.84	mg/L	5	01/24/2025 20:15	233831
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 20:15	233831
Chromium	NELAP	0.0007	0.0015		0.0102	mg/L	5	01/24/2025 20:15	233831
Cobalt	NELAP	0.0001	0.0010		0.0020	mg/L	5	01/24/2025 20:15	233831
Lead	NELAP	0.0006	0.0010		0.0026	mg/L	5	01/24/2025 20:15	233831
Lithium	*	0.0015	0.0030		0.0611	mg/L	5	01/24/2025 20:15	233831
Molybdenum	NELAP	0.0006	0.0015		0.0023	mg/L	5	01/24/2025 20:15	233831
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 20:15	233831
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 20:15	233831
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 19:48	233858



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-032
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-392
Collection Date: 01/22/2025 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.86	ft	1	01/22/2025 12:37	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		60	NTU	1	01/22/2025 12:37	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-161	mV	1	01/22/2025 12:37	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		5360	µS/cm	1	01/22/2025 12:37	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.0	°C	1	01/22/2025 12:37	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.58	mg/L	1	01/22/2025 12:37	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.57		1	01/22/2025 12:37	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		357	mg/L	1	01/23/2025 12:58	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 12:58	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1940	mg/L	1	01/23/2025 13:06	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		3.71	mg/L	10	01/23/2025 13:17	R359271
Chloride	NELAP	1.00	5.00		952	mg/L	10	01/23/2025 13:17	R359271
Sulfate	NELAP	3.00	10.0		48.9	mg/L	10	01/23/2025 13:17	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		28.2	mg/L	1	01/24/2025 15:51	233790
Magnesium	NELAP	0.0055	0.0500		16.0	mg/L	1	01/24/2025 15:51	233790
Potassium	NELAP	0.0400	0.100		4.71	mg/L	1	01/24/2025 15:51	233790
Sodium	NELAP	0.180	0.500		685	mg/L	10	01/28/2025 13:30	233790
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 11:39	233790
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 15:34	233790
Barium	NELAP	0.0007	0.0010		0.0362	mg/L	5	01/24/2025 15:34	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:34	233790
Boron	NELAP	0.0092	0.0250		1.97	mg/L	5	01/24/2025 15:34	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:34	233790
Chromium	NELAP	0.0007	0.0015	J	0.0015	mg/L	5	01/24/2025 15:34	233790
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	01/24/2025 15:34	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:34	233790
Lithium	*	0.0015	0.0030		0.0834	mg/L	5	01/24/2025 15:34	233790
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	01/24/2025 15:34	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:34	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 11:39	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:43	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-033
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-393
Collection Date: 01/22/2025 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.21	ft	1	01/22/2025 14:13	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.6	NTU	1	01/22/2025 14:13	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-272	mV	1	01/22/2025 14:13	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		6770	µS/cm	1	01/22/2025 14:13	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.1	°C	1	01/22/2025 14:13	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.06	mg/L	1	01/22/2025 14:13	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		8.12		1	01/22/2025 14:13	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		810	mg/L	1	01/23/2025 12:39	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		37	mg/L	1	01/23/2025 12:39	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2500	mg/L	1	01/23/2025 13:06	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		8.90	mg/L	10	01/23/2025 13:28	R359271
Chloride	NELAP	1.00	5.00		846	mg/L	10	01/23/2025 13:28	R359271
Sulfate	NELAP	3.00	10.0		142	mg/L	10	01/23/2025 13:28	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		6.10	mg/L	1	01/24/2025 15:52	233790
Magnesium	NELAP	0.0055	0.0500		3.69	mg/L	1	01/24/2025 15:52	233790
Potassium	NELAP	0.0400	0.100		3.25	mg/L	1	01/24/2025 15:52	233790
Sodium	NELAP	1.80	5.00		1090	mg/L	100	01/28/2025 13:31	233790
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 11:45	233790
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 15:40	233790
Barium	NELAP	0.0007	0.0010		0.0369	mg/L	5	01/24/2025 15:40	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:40	233790
Boron	NELAP	0.0092	0.0250		1.75	mg/L	5	01/24/2025 15:40	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:40	233790
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/24/2025 15:40	233790
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 15:40	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:40	233790
Lithium	*	0.0015	0.0030		0.0710	mg/L	5	01/24/2025 15:40	233790
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	01/24/2025 15:40	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:40	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 11:45	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:45	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-034
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-394
Collection Date: 01/22/2025 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.35	ft	1	01/22/2025 14:41	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.2	NTU	1	01/22/2025 14:41	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-313	mV	1	01/22/2025 14:41	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		7050	µS/cm	1	01/22/2025 14:41	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	01/22/2025 14:41	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.04	mg/L	1	01/22/2025 14:41	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.92		1	01/22/2025 14:41	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		667	mg/L	1	01/23/2025 12:03	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 12:03	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2350	mg/L	1	01/23/2025 13:06	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		4.44	mg/L	10	01/23/2025 13:40	R359271
Chloride	NELAP	1.00	5.00		808	mg/L	10	01/23/2025 13:40	R359271
Sulfate	NELAP	3.00	10.0		240	mg/L	10	01/23/2025 13:40	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		9.19	mg/L	1	01/24/2025 15:52	233790
Magnesium	NELAP	0.0055	0.0500		4.51	mg/L	1	01/24/2025 15:52	233790
Potassium	NELAP	0.0400	0.100		2.84	mg/L	1	01/24/2025 15:52	233790
Sodium	NELAP	0.180	0.500		865	mg/L	10	01/28/2025 13:32	233790
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 11:59	233790
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 15:46	233790
Barium	NELAP	0.0007	0.0010		0.0179	mg/L	5	01/24/2025 15:46	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:46	233790
Boron	NELAP	0.0092	0.0250		1.92	mg/L	5	01/24/2025 15:46	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:46	233790
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/24/2025 15:46	233790
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 15:46	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:46	233790
Lithium	*	0.0015	0.0030		0.0740	mg/L	5	01/24/2025 15:46	233790
Molybdenum	NELAP	0.0006	0.0015	J	0.0008	mg/L	5	01/24/2025 15:46	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:46	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 11:59	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:47	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Lab ID: 25010181-037

Client Sample ID: OW-256

Matrix: GROUNDWATER

Collection Date: 01/27/2025 11:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.54	ft	1	01/27/2025 11:19	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.0	NTU	1	01/27/2025 11:19	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-22	mV	1	01/27/2025 11:19	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		352	µS/cm	1	01/27/2025 11:19	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.7	°C	1	01/27/2025 11:19	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.54	mg/L	1	01/27/2025 11:19	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		6.94		1	01/27/2025 11:19	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		308	mg/L	1	01/28/2025 9:56	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 9:56	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		536	mg/L	1	01/27/2025 16:24	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.24	mg/L	10	01/28/2025 19:02	R359470
Chloride	NELAP	1.00	5.00		48.2	mg/L	10	01/28/2025 19:02	R359470
Sulfate	NELAP	3.00	10.0		61.7	mg/L	10	01/28/2025 19:02	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		83.8	mg/L	1	01/28/2025 16:35	233949
Magnesium	NELAP	0.0055	0.0500		33.3	mg/L	1	01/28/2025 16:35	233949
Potassium	NELAP	0.0400	0.100		0.907	mg/L	1	01/28/2025 16:35	233949
Sodium	NELAP	0.0180	0.0500	B	52.5	mg/L	1	01/28/2025 16:35	233949
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 14:23	233949
Arsenic	NELAP	0.0004	0.0010		0.0010	mg/L	5	01/28/2025 14:23	233949
Barium	NELAP	0.0007	0.0010	B	0.0811	mg/L	5	01/29/2025 16:58	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 14:23	233949
Boron	NELAP	0.0092	0.0250		0.230	mg/L	5	01/28/2025 14:23	233949
Cadmium	NELAP	0.0002	0.0010	J	0.0002	mg/L	5	01/28/2025 14:23	233949
Chromium	NELAP	0.0007	0.0015		0.0016	mg/L	5	01/28/2025 14:23	233949
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	01/28/2025 14:23	233949
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 14:23	233949
Lithium	*	0.0015	0.0030		0.0106	mg/L	5	01/28/2025 14:23	233949
Molybdenum	NELAP	0.0006	0.0015	J	0.0012	mg/L	5	01/29/2025 16:58	233949
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 14:23	233949
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 14:23	233949
<i>Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:08	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-038
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: OW-257
Collection Date: 01/22/2025 9:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.83	ft	1	01/22/2025 9:46	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.4	NTU	1	01/22/2025 9:46	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-98	mV	1	01/22/2025 9:46	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1700	µS/cm	1	01/22/2025 9:46	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		9.8	°C	1	01/22/2025 9:46	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		5.54	mg/L	1	01/22/2025 9:46	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.23		1	01/22/2025 9:46	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		512	mg/L	1	01/23/2025 11:56	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 11:56	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		678	mg/L	1	01/23/2025 13:07	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.37	mg/L	10	01/23/2025 13:51	R359271
Chloride	NELAP	1.00	5.00		6.78	mg/L	10	01/23/2025 13:51	R359271
Sulfate	NELAP	3.00	10.0		93.5	mg/L	10	01/23/2025 13:51	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		114	mg/L	1	01/24/2025 15:53	233790
Magnesium	NELAP	0.0055	0.0500		51.4	mg/L	1	01/24/2025 15:53	233790
Potassium	NELAP	0.0400	0.100		2.79	mg/L	1	01/24/2025 15:53	233790
Sodium	NELAP	0.0180	0.0500		90.2	mg/L	1	01/24/2025 15:53	233790
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 12:05	233790
Arsenic	NELAP	0.0004	0.0010		0.0011	mg/L	5	01/24/2025 15:52	233790
Barium	NELAP	0.0007	0.0010		0.0917	mg/L	5	01/24/2025 15:52	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:52	233790
Boron	NELAP	0.0092	0.0250		0.559	mg/L	5	01/24/2025 15:52	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 15:52	233790
Chromium	NELAP	0.0007	0.0015		0.0016	mg/L	5	01/24/2025 15:52	233790
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 15:52	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:52	233790
Lithium	*	0.0015	0.0030		0.0348	mg/L	5	01/24/2025 15:52	233790
Molybdenum	NELAP	0.0006	0.0015		0.0025	mg/L	5	01/24/2025 15:52	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 15:52	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 12:05	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:50	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-039
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: PZ-170
Collection Date: 01/22/2025 9:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.52	ft	1	01/22/2025 9:14	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.5	NTU	1	01/22/2025 9:14	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-248	mV	1	01/22/2025 9:14	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2400	µS/cm	1	01/22/2025 9:14	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.4	°C	1	01/22/2025 9:14	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	01/22/2025 9:14	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		6.55		1	01/22/2025 9:14	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		646	mg/L	1	01/23/2025 13:35	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 13:35	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1040	mg/L	1	01/23/2025 13:07	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/23/2025 14:03	R359271
Chloride	NELAP	1.00	5.00		78.9	mg/L	10	01/23/2025 14:03	R359271
Sulfate	NELAP	3.00	10.0		114	mg/L	10	01/23/2025 14:03	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		190	mg/L	1	01/24/2025 15:58	233790
Magnesium	NELAP	0.0055	0.0500		74.4	mg/L	1	01/24/2025 15:58	233790
Potassium	NELAP	0.0400	0.100		1.17	mg/L	1	01/24/2025 15:58	233790
Sodium	NELAP	0.0180	0.0500		106	mg/L	1	01/24/2025 15:58	233790
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	01/24/2025 16:41	233790
Arsenic	NELAP	0.0004	0.0010		0.0013	mg/L	5	01/24/2025 16:41	233790
Barium	NELAP	0.0007	0.0010		0.136	mg/L	5	01/24/2025 16:41	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 16:41	233790
Boron	NELAP	0.0092	0.0250		0.434	mg/L	5	01/24/2025 16:41	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 16:41	233790
Chromium	NELAP	0.0007	0.0015		0.0049	mg/L	5	01/24/2025 16:41	233790
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	01/24/2025 16:41	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 16:41	233790
Lithium	*	0.0015	0.0030		0.0340	mg/L	5	01/24/2025 16:41	233790
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	01/24/2025 16:41	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 16:41	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 16:41	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:56	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-040
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: PZ-182
Collection Date: 01/27/2025 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.07	ft	1	01/27/2025 12:02	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.5	NTU	1	01/27/2025 12:02	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-68	mV	1	01/27/2025 12:02	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		340	µS/cm	1	01/27/2025 12:02	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.7	°C	1	01/27/2025 12:02	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.81	mg/L	1	01/27/2025 12:02	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		6.57		1	01/27/2025 12:02	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		440	mg/L	1	01/28/2025 9:02	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 9:02	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		746	mg/L	1	01/27/2025 16:24	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/28/2025 19:14	R359470
Chloride	NELAP	1.00	5.00		21.2	mg/L	10	01/28/2025 19:14	R359470
Sulfate	NELAP	3.00	10.0		141	mg/L	10	01/28/2025 19:14	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	162	mg/L	1	01/28/2025 16:37	233949
Magnesium	NELAP	0.0055	0.0500	S	61.2	mg/L	1	01/28/2025 16:37	233949
Potassium	NELAP	0.0400	0.100		0.547	mg/L	1	01/28/2025 16:37	233949
Sodium	NELAP	0.0180	0.0500	BS	47.4	mg/L	1	01/28/2025 16:37	233949
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 15:36	233949
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	01/28/2025 15:36	233949
Barium	NELAP	0.0007	0.0010	B	0.0675	mg/L	5	01/29/2025 17:15	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:36	233949
Boron	NELAP	0.0092	0.0250		0.551	mg/L	5	01/29/2025 17:15	233949
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:36	233949
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/28/2025 15:36	233949
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	01/28/2025 15:36	233949
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 15:36	233949
Lithium	*	0.0015	0.0030		0.0145	mg/L	5	01/29/2025 17:15	233949
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	01/29/2025 17:15	233949
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 15:36	233949
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 15:36	233949

Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.

CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-040
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: PZ-182
Collection Date: 01/27/2025 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:10	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-041
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: TPZ-164
Collection Date: 01/27/2025 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.40	ft	1	01/27/2025 13:03	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		47	NTU	1	01/27/2025 13:03	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-112	mV	1	01/27/2025 13:03	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		278	µS/cm	1	01/27/2025 13:03	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		10.7	°C	1	01/27/2025 13:03	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.84	mg/L	1	01/27/2025 13:03	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.23		1	01/27/2025 13:03	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		260	mg/L	1	01/28/2025 9:29	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 9:29	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		611	mg/L	1.67	01/27/2025 16:24	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.26	mg/L	10	01/28/2025 19:25	R359470
Chloride	NELAP	1.00	5.00		46.6	mg/L	10	01/28/2025 19:25	R359470
Sulfate	NELAP	3.00	10.0		102	mg/L	10	01/28/2025 19:25	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		71.9	mg/L	1	01/28/2025 16:42	233949
Magnesium	NELAP	0.0055	0.0500		27.9	mg/L	1	01/28/2025 16:42	233949
Potassium	NELAP	0.0400	0.100		9.58	mg/L	1	01/28/2025 16:42	233949
Sodium	NELAP	0.0180	0.0500	B	72.0	mg/L	1	01/28/2025 16:42	233949
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 15:20	233949
Arsenic	NELAP	0.0004	0.0010		0.0015	mg/L	5	01/28/2025 15:20	233949
Barium	NELAP	0.0007	0.0010	B	0.0783	mg/L	5	01/30/2025 9:57	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:20	233949
Boron	NELAP	0.0092	0.0250		0.989	mg/L	5	01/30/2025 9:57	233949
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:20	233949
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/28/2025 15:20	233949
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	01/28/2025 15:20	233949
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 15:20	233949
Lithium	*	0.0015	0.0030		0.0115	mg/L	5	01/30/2025 9:57	233949
Molybdenum	NELAP	0.0006	0.0015		0.0139	mg/L	5	01/30/2025 9:57	233949
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 15:20	233949
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/30/2025 9:57	233949
<i>Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-041
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: TPZ-164
Collection Date: 01/27/2025 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:13	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-042
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25

Client Sample ID: XPW01

Collection Date: 01/27/2025 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.82	ft	1	01/27/2025 10:45	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	01/27/2025 10:45	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		39	mV	1	01/27/2025 10:45	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		743	µS/cm	1	01/27/2025 10:45	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.5	°C	1	01/27/2025 10:45	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.81	mg/L	1	01/27/2025 10:45	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		6.85		1	01/27/2025 10:45	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		312	mg/L	1	01/28/2025 9:49	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 9:49	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		548	mg/L	1	01/27/2025 16:25	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.44	mg/L	10	01/28/2025 19:37	R359470
Chloride	NELAP	1.00	5.00		29.7	mg/L	10	01/28/2025 19:37	R359470
Sulfate	NELAP	3.00	10.0		81.0	mg/L	10	01/28/2025 19:37	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		91.2	mg/L	1	01/28/2025 16:43	233949
Magnesium	NELAP	0.0055	0.0500		30.6	mg/L	1	01/28/2025 16:43	233949
Potassium	NELAP	0.200	0.500		11.5	mg/L	5	01/29/2025 9:35	233949
Sodium	NELAP	0.0180	0.0500	B	41.5	mg/L	1	01/28/2025 16:43	233949
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 15:25	233949
Arsenic	NELAP	0.0004	0.0010		0.0010	mg/L	5	01/28/2025 15:25	233949
Barium	NELAP	0.0007	0.0010	B	0.155	mg/L	5	01/30/2025 10:02	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:25	233949
Boron	NELAP	0.0092	0.0250		0.875	mg/L	5	01/30/2025 10:02	233949
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:25	233949
Chromium	NELAP	0.0007	0.0015		0.0023	mg/L	5	01/30/2025 10:02	233949
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	01/28/2025 15:25	233949
Lead	NELAP	0.0006	0.0010		0.0010	mg/L	5	01/28/2025 15:25	233949
Lithium	*	0.0015	0.0030		0.0122	mg/L	5	01/30/2025 10:02	233949
Molybdenum	NELAP	0.0006	0.0015		0.0309	mg/L	5	01/30/2025 10:02	233949
Selenium	NELAP	0.0006	0.0010		0.0020	mg/L	5	01/28/2025 15:25	233949
Thallium	NELAP	0.0010	0.0020	J	0.0012	mg/L	5	01/28/2025 15:25	233949

Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.

CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-042
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: XPW01
Collection Date: 01/27/2025 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:15	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-043
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: XPW05
Collection Date: 01/27/2025 10:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.28	ft	1	01/27/2025 10:12	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.5	NTU	1	01/27/2025 10:12	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		36	mV	1	01/27/2025 10:12	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		751	µS/cm	1	01/27/2025 10:12	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.0	°C	1	01/27/2025 10:12	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.79	mg/L	1	01/27/2025 10:12	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.20		1	01/27/2025 10:12	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		181	mg/L	1	01/28/2025 9:16	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 9:16	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		534	mg/L	1	01/27/2025 16:25	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.56	mg/L	10	01/28/2025 19:49	R359470
Chloride	NELAP	1.00	5.00		47.3	mg/L	10	01/28/2025 19:49	R359470
Sulfate	NELAP	3.00	10.0		146	mg/L	10	01/28/2025 19:49	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		50.2	mg/L	1	01/28/2025 16:52	233949
Magnesium	NELAP	0.0055	0.0500		20.4	mg/L	1	01/28/2025 16:52	233949
Potassium	NELAP	0.200	0.500		11.6	mg/L	5	01/29/2025 9:36	233949
Sodium	NELAP	0.0180	0.0500	B	91.1	mg/L	1	01/28/2025 16:52	233949
Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 15:31	233949
Arsenic	NELAP	0.0004	0.0010		0.0046	mg/L	5	01/28/2025 15:31	233949
Barium	NELAP	0.0007	0.0010	B	0.147	mg/L	5	01/30/2025 10:08	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:31	233949
Boron	NELAP	0.0092	0.0250		1.06	mg/L	5	01/30/2025 10:08	233949
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 15:31	233949
Chromium	NELAP	0.0007	0.0015		0.0039	mg/L	5	01/28/2025 15:31	233949
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	01/28/2025 15:31	233949
Lead	NELAP	0.0006	0.0010		0.0018	mg/L	5	01/28/2025 15:31	233949
Lithium	*	0.0015	0.0030		0.0061	mg/L	5	01/30/2025 10:08	233949
Molybdenum	NELAP	0.0006	0.0015		0.0156	mg/L	5	01/30/2025 10:08	233949
Selenium	NELAP	0.0006	0.0010	J	0.0010	mg/L	5	01/28/2025 15:31	233949
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 15:31	233949
Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.									



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-043
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: XPW05
Collection Date: 01/27/2025 10:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:17	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-044
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: XPW06
Collection Date: 01/27/2025 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.20	ft	1	01/27/2025 11:18	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.1	NTU	1	01/27/2025 11:18	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		49	mV	1	01/27/2025 11:18	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		469	µS/cm	1	01/27/2025 11:18	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		10.8	°C	1	01/27/2025 11:18	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.87	mg/L	1	01/27/2025 11:18	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.27		1	01/27/2025 11:18	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		206	mg/L	1	01/28/2025 10:40	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 10:40	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		382	mg/L	1	01/27/2025 16:26	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.46	mg/L	10	01/28/2025 20:35	R359470
Chloride	NELAP	1.0	5.0	J	2.3	mg/L	10	01/28/2025 20:35	R359470
Sulfate	NELAP	3.00	10.0		68.5	mg/L	10	01/28/2025 20:35	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		55.0	mg/L	1	01/28/2025 16:54	233949
Magnesium	NELAP	0.0055	0.0500		16.7	mg/L	1	01/28/2025 16:54	233949
Potassium	NELAP	0.0400	0.100		9.95	mg/L	1	01/28/2025 16:54	233949
Sodium	NELAP	0.0180	0.0500	B	33.3	mg/L	1	01/28/2025 16:54	233949
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 16:16	233949
Arsenic	NELAP	0.0004	0.0010		0.0017	mg/L	5	01/28/2025 16:16	233949
Barium	NELAP	0.0007	0.0010	B	0.0619	mg/L	5	01/30/2025 10:13	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 16:16	233949
Boron	NELAP	0.0092	0.0250		1.60	mg/L	5	01/30/2025 10:13	233949
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 16:16	233949
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/28/2025 16:16	233949
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	01/28/2025 16:16	233949
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 16:16	233949
Lithium	*	0.0015	0.0030		0.0033	mg/L	5	01/30/2025 10:13	233949
Molybdenum	NELAP	0.0006	0.0015		0.0295	mg/L	5	01/30/2025 10:13	233949
Selenium	NELAP	0.0006	0.0010		0.0027	mg/L	5	01/28/2025 16:16	233949
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 16:16	233949

Sample result(s) for Ba exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.

CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-044
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: XPW06
Collection Date: 01/27/2025 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:19	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-045
Matrix: AQUEOUS

Work Order: 25010181
Report Date: 04-Mar-25

Client Sample ID: Field Blank

Collection Date: 01/27/2025 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		2	mg/L	1	01/28/2025 10:24	R359451
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/28/2025 10:24	R359451
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	01/28/2025 12:14	R359518
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	01/28/2025 20:47	R359470
Chloride	NELAP	1.00	5.00		ND	mg/L	10	01/28/2025 20:47	R359470
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	01/28/2025 20:47	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	01/28/2025 16:55	233949
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	01/28/2025 16:55	233949
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	01/28/2025 16:55	233949
Sodium	NELAP	0.0180	0.0500	B	< 0.0500	mg/L	1	01/28/2025 16:55	233949
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	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	02/03/2025 8:17	233949
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Boron	NELAP	0.0092	0.0250		< 0.0250	mg/L	5	01/30/2025 11:59	233949
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/28/2025 16:54	233949
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	01/30/2025 11:59	233949
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	01/30/2025 11:59	233949
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/28/2025 16:54	233949
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 16:54	233949
CCV recovered outside the upper control limits for Be. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:22	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-048
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-304 Duplicate
Collection Date: 01/22/2025 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.99	ft	1	01/22/2025 13:32	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	01/22/2025 13:32	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		92	mV	1	01/22/2025 13:32	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2090	µS/cm	1	01/22/2025 13:32	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	01/22/2025 13:32	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.08	mg/L	1	01/22/2025 13:32	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.74		1	01/22/2025 13:32	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		804	mg/L	1	01/23/2025 13:26	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 13:26	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1470	mg/L	1	01/23/2025 13:07	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.56	mg/L	10	01/23/2025 14:15	R359271
Chloride	NELAP	1.00	5.00		161	mg/L	10	01/23/2025 14:15	R359271
Sulfate	NELAP	3.00	10.0		179	mg/L	10	01/23/2025 14:15	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		11.0	mg/L	1	01/24/2025 15:58	233790
Magnesium	NELAP	0.0055	0.0500		4.31	mg/L	1	01/24/2025 15:58	233790
Potassium	NELAP	0.0400	0.100		2.27	mg/L	1	01/24/2025 15:58	233790
Sodium	NELAP	0.180	0.500		544	mg/L	10	01/28/2025 13:33	233790
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 16:53	233790
Arsenic	NELAP	0.0004	0.0010		0.0043	mg/L	5	01/24/2025 16:53	233790
Barium	NELAP	0.0007	0.0010		0.0278	mg/L	5	01/24/2025 16:53	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 16:53	233790
Boron	NELAP	0.0092	0.0250		2.56	mg/L	5	01/24/2025 16:53	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 16:53	233790
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	01/24/2025 16:53	233790
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 16:53	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 16:53	233790
Lithium	*	0.0015	0.0030		0.125	mg/L	5	01/24/2025 16:53	233790
Molybdenum	NELAP	0.0006	0.0015	J	0.0012	mg/L	5	01/24/2025 16:53	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 16:53	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 16:53	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 11:59	233801



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-049
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-358R Duplicate
Collection Date: 01/24/2025 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		31.68	ft	1	01/24/2025 11:34	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		170	NTU	1	01/24/2025 11:34	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		50	mV	1	01/24/2025 11:34	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4080	µS/cm	1	01/24/2025 11:34	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.7	°C	1	01/24/2025 11:34	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.02	mg/L	1	01/24/2025 11:34	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.27		1	01/24/2025 11:34	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		797	mg/L	1	01/27/2025 9:22	R359379
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/27/2025 9:22	R359379
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3030	mg/L	1	01/27/2025 15:31	R359464
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		1.23	mg/L	10	01/28/2025 21:10	R359470
Chloride	NELAP	1.00	5.00		1330	mg/L	10	01/28/2025 21:10	R359470
Sulfate	NELAP	3.00	10.0		23.3	mg/L	10	01/28/2025 21:10	R359470
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0520	0.100		38.1	mg/L	1	01/28/2025 15:33	233903
Magnesium	NELAP	0.0070	0.0500		12.0	mg/L	1	01/28/2025 15:33	233903
Potassium	NELAP	0.0400	0.100		7.32	mg/L	1	01/28/2025 15:33	233903
Sodium	NELAP	0.0180	0.0500	B	1350	mg/L	1	01/28/2025 15:33	233903
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	01/28/2025 16:49	233903
Arsenic	NELAP	0.0004	0.0010		0.0031	mg/L	5	01/28/2025 16:49	233903
Barium	NELAP	0.0007	0.0010		0.264	mg/L	5	01/28/2025 16:49	233903
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/29/2025 17:09	233903
Boron	NELAP	0.0092	0.0250		1.22	mg/L	5	01/29/2025 17:09	233903
Cadmium	NELAP	0.0002	0.0010	J	0.0003	mg/L	5	01/28/2025 16:49	233903
Chromium	NELAP	0.0007	0.0015		0.0039	mg/L	5	01/28/2025 16:49	233903
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	01/29/2025 17:09	233903
Lead	NELAP	0.0006	0.0010		0.0014	mg/L	5	01/28/2025 16:49	233903
Lithium	*	0.0015	0.0030		0.0081	mg/L	5	01/29/2025 17:09	233903
Molybdenum	NELAP	0.0006	0.0015		0.0267	mg/L	5	01/29/2025 17:09	233903
Selenium	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	01/28/2025 16:49	233903
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/28/2025 16:49	233903
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/28/2025 15:35	233951



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010181-050
Matrix: GROUNDWATER

Work Order: 25010181
Report Date: 04-Mar-25
Client Sample ID: MW-392 Duplicate
Collection Date: 01/22/2025 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.86	ft	1	01/22/2025 12:37	R359614
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		60	NTU	1	01/22/2025 12:37	R359614
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-161	mV	1	01/22/2025 12:37	R359614
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		5360	µS/cm	1	01/22/2025 12:37	R359614
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.0	°C	1	01/22/2025 12:37	R359614
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.58	mg/L	1	01/22/2025 12:37	R359614
SW-846 9040B FIELD									
pH	*	0	1.00		7.57		1	01/22/2025 12:37	R359614
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		357	mg/L	1	01/23/2025 13:19	R359249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	01/23/2025 13:19	R359249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1920	mg/L	1	01/23/2025 13:48	R359240
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		3.75	mg/L	10	01/23/2025 14:27	R359271
Chloride	NELAP	1.00	5.00		955	mg/L	10	01/23/2025 14:27	R359271
Sulfate	NELAP	3.00	10.0		50.7	mg/L	10	01/23/2025 14:27	R359271
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		27.6	mg/L	1	01/24/2025 15:59	233790
Magnesium	NELAP	0.0055	0.0500		16.7	mg/L	1	01/24/2025 15:59	233790
Potassium	NELAP	0.400	1.00		4.46	mg/L	10	01/28/2025 13:40	233790
Sodium	NELAP	0.180	0.500	S	724	mg/L	10	01/28/2025 13:40	233790
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Barium	NELAP	0.0007	0.0010		0.0514	mg/L	5	01/24/2025 18:37	233790
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Boron	NELAP	0.0092	0.0250		1.76	mg/L	5	01/27/2025 9:22	233790
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	01/24/2025 18:37	233790
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Lithium	*	0.0015	0.0030		0.126	mg/L	5	01/24/2025 18:37	233790
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	01/24/2025 18:37	233790
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	01/24/2025 18:37	233790
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	01/24/2025 18:37	233790
<i>LCS recovered outside upper control limits for Cd. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	01/24/2025 12:01	233801



Sample Summary

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25010181-009	MW-192	Groundwater	2	01/22/2025 13:10
25010181-010	MW-193	Groundwater	2	01/22/2025 13:49
25010181-016	MW-304	Groundwater	4	01/22/2025 13:32
25010181-020	MW-356	Groundwater	2	01/23/2025 11:47
25010181-021	MW-358R	Groundwater	2	01/24/2025 11:34
25010181-023	MW-369	Groundwater	2	01/23/2025 13:44
25010181-024	MW-370	Groundwater	2	01/23/2025 14:17
25010181-027	MW-382	Groundwater	2	01/23/2025 12:23
25010181-032	MW-392	Groundwater	2	01/22/2025 12:37
25010181-033	MW-393	Groundwater	2	01/22/2025 14:13
25010181-034	MW-394	Groundwater	2	01/22/2025 14:41
25010181-037	OW-256	Groundwater	2	01/27/2025 11:19
25010181-038	OW-257	Groundwater	2	01/22/2025 9:46
25010181-039	PZ-170	Groundwater	2	01/22/2025 9:14
25010181-040	PZ-182	Groundwater	2	01/27/2025 12:02
25010181-041	TPZ-164	Groundwater	2	01/27/2025 13:03
25010181-042	XPW01	Groundwater	2	01/27/2025 10:45
25010181-043	XPW05	Groundwater	2	01/27/2025 10:12
25010181-044	XPW06	Groundwater	2	01/27/2025 11:18
25010181-045	Field Blank	Aqueous	4	01/27/2025 13:00
25010181-048	MW-304 Duplicate	Groundwater	4	01/22/2025 13:32
25010181-049	MW-358R Duplicate	Groundwater	2	01/24/2025 11:34
25010181-050	MW-392 Duplicate	Groundwater	2	01/22/2025 12:37



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

STANDARD METHODS 2510 B FIELD

Batch R359614		SampType: LCS		Units $\mu\text{S/cm}$						
SampID: LCS-1-BG										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/22/2025

Batch R359614		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.6	90	110	01/22/2025	

Batch R359614		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/22/2025	

Batch R359614		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.6	90	110	01/23/2025	

Batch R359614		SampType: LCS		Units μS/cm							
SampID: LCS-2-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/23/2025	

Batch R359614		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	01/24/2025	

Batch R359614		SampType: LCS		Units µS/cm							
SampID: LCS-3-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	01/27/2025	

Batch R359614		SampType: LCS		Units μS/cm							
SampID: LCS-3-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	01/27/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

STANDARD METHODS 2510 B FIELD

Batch R359614		SampType: LCS		Units μS/cm							
SampID: LCS-3-TC											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	01/27/2025	

SW-846 9040B FIELD

Batch R359614		SampType: LCS		Units							
SampID: LCS-1-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	01/22/2025	

Batch R359614		SampType: LCS		Units							
SampID: LCS-1-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.97	7.000	0	99.6	98.57	101.4	01/22/2025	

Batch R359614		SampType: LCS		Units							
SampID: LCS-1-TC											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	01/22/2025	

Batch R359614		SampType: LCS		Units							
SampID: LCS-2-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	01/23/2025	

Batch R359614		SampType: LCS		Units							
SampID: LCS-2-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	01/23/2025	

Batch R359614		SampType: LCS		Units							
SampID: LCS-2-TC											
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	01/24/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW-846 9040B FIELD

Batch R359614		SampType: LCS		Units						
SampID: LCS-3-BG										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	01/27/2025

Batch R359614		SampType: LCS		Units							Date Analyzed
SampID: LCS-3-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4		
01/27/2025											

Batch R359614		SampType: LCS		Units							
SampID: LCS-3-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.07	7.000	0	101.0	98.57	101.4	01/27/2025	

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R359240		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		

Batch R359240		SampType: LCS		Units mg/L							
SampID: LCS										Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit		High Limit
Total Dissolved Solids			20		904	1000	0	90.4	90		110
Total Dissolved Solids			20		930	1000	0	93.0	90		110
Total Dissolved Solids			20		956	1000	0	95.6	90		110
Total Dissolved Solids			20		976	1000	0	97.6	90		110
Total Dissolved Solids			20		908	1000	0	90.8	90		110
Total Dissolved Solids			20		908	1000	0	90.8	90		110

Batch R359240		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25010181-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		602				626.0	3.91	01/23/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R359464		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	01/27/2025
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/27/2025

Batch R359464		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	01/27/2025
Total Dissolved Solids		20		972	1000	0	97.2	90	110	01/27/2025

Batch R359464		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25010181-011ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1140				1110	2.67	01/27/2025

Batch R359464		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25010181-047ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		615				600.0	2.47	01/27/2025

Batch R359464		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011584-001BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			25		882				900.0	1.96	01/27/2025

Batch R359518		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	01/28/2025	

Batch R359518		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	01/28/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch R359233		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)			0.05		0.28	0.3045	0	93.3	90	110	01/23/2025
Nitrogen, Nitrite (as N)			0.05		0.29	0.3045	0	93.9	90	110	01/23/2025

Batch R359233		SampType: MS		Units mg/L						
SampID: 25011495-001BMS										
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	94.2	85	115	01/23/2025

Batch R359233		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25011495-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	94.0	0.4710	0.21	01/23/2025

Batch R359233		SampType: MS		Units mg/L							
SampID: 25011495-011BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	96.4	85	115	01/23/2025

Batch R359233		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011495-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	96.6	0.4820	0.21	01/23/2025

Batch R359233		SampType: MS		Units mg/L							
SampID: 25011501-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.50		4.37	5.000	0	87.4	85	115	01/23/2025	

Batch R359233		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011501-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.50		4.42	5.000	0	88.4	4.370	1.14	01/23/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch R359233 SampType: MS Units mg/L

SampID: 25011561-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.8	85	115	01/23/2025

Batch R359233 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011561-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	93.0	0.4690	0.86	01/23/2025

Batch R359233 SampType: MS Units mg/L

SampID: 25011562-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.2	85	115	01/23/2025

Batch R359233 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011562-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.4	0.4660	0.86	01/23/2025

Batch R359373 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	01/27/2025
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	01/27/2025

Batch R359373 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	96.9	90	110	01/27/2025
Nitrogen, Nitrite (as N)		0.05		0.28	0.3045	0	90.6	90	110	01/27/2025

Batch R359373 SampType: MS Units mg/L

SampID: 25011657-001AMS

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	100.2	85	115	01/27/2025



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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch R359373		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 25011657-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	96.8	0.5010	3.45	01/27/2025

Batch R359373		SampType: MS		Units mg/L							
SampID: 25011681-002AMS											
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	0.02800	95.4	85	115	01/27/2025	

Batch R359373		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011681-002AMSD											
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	0.02800	94.8	0.5050	0.60	01/27/2025

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

Batch R359246		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						01/22/2025
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	01/22/2025

Batch R359246		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		0.490	0.5000	0	98.0	90	110	01/22/2025	

Batch R359246		SampType: MS		Units mg/L							
SampID: 25010985-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50	S	32.6	12.50	18.23	114.9	90	110	01/23/2025	

Batch R359246		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25010985-008BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50	S	32.1	12.50	18.23	110.8	32.59	1.59	01/23/2025



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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch R359246		SampType: MS		Units mg/L							
SampID: 25011104-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50	S	30.8	12.50	15.94	119.3	90	110	01/23/2025	

Batch R359246		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011104-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50	S	30.1	12.50	15.94	113.4	30.84	2.42	01/23/2025

Batch R359246		SampType: MS		Units mg/L							
SampID: 25011363-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		25.2	12.50	11.79	107.3	90	110	01/23/2025	

Batch R359246		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011363-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		25.1	12.50	11.79	106.4	25.20	0.47	01/23/2025

Batch R359295		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						01/23/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/23/2025	

Batch R359295		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		0.489	0.5000	0	97.8	90	110	01/23/2025	

Batch R359295		SampType: MS		Units mg/L							
SampID: 25011333-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		19.7	5.000	14.31	107.9	90	110	01/23/2025	



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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

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Batch R359295		SampType: MSD		Units mg/L			RPD Limit 10				
SampID: 25011333-008AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			1.00		19.7	5.000	14.31	106.8	19.71	0.28	01/23/2025

Batch R359295		SampType: MS		Units mg/L							
SampID: 25011373-001BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)			0.250		3.46	1.250	2.303	92.8	90	110	
											01/23/2025

Batch R359295		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 25011373-001BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				0.250		3.66	1.250	2.303	108.5	3.463	5.50	01/23/2025

Batch R359295		SampType: MS		Units mg/L							
SampID: 25011561-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.237	0.2500	0	94.8	85	115	01/23/2025	

Batch	R359295	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 25011561-001AMSD													Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.229	0.2500	0	91.6	0.2370	3.43		01/23/2025	

Batch R359295		SampType: MS		Units mg/L							
SampID: 25011562-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.179	0.2500	0	71.6	85	115	01/23/2025	

Batch R359295		SampType:	MSD		Units mg/L				RPD Limit 10		
SampID: 25011562-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.183	0.2500	0	73.2	0.1790	2.21	01/23/2025



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch R359444 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						01/27/2025
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	01/27/2025

Batch R359444 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		0.472	0.5000	0	94.4	90	110	01/27/2025

Batch R359444 SampType: MS Units mg/L

SampID: 25011602-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		16.3	5.000	11.03	106.2	90	110	01/27/2025

Batch R359444 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011602-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		16.3	5.000	11.03	106.1	16.34	0.02	01/27/2025

Batch R359444 SampType: MS Units mg/L

SampID: 25011681-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		37.8	12.50	26.44	90.9	90	110	01/27/2025

Batch R359444 SampType: MSD Units mg/L

RPD Limit 10

SampID: 25011681-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		39.1	12.50	26.44	100.9	37.80	3.26	01/27/2025

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359271 SampType: MS Units mg/L

SampID: 25010181-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		255	200.0	46.01	104.3	80	120	01/23/2025
Sulfate		10.0		1090	200.0	886.7	100.8	80	120	01/23/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359271		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25010181-003BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		256	200.0	46.01	104.9	254.6	0.51	01/23/2025
Sulfate		10.0		1090	200.0	886.7	101.1	1088	0.06	01/23/2025

Batch R359271		SampType: MS		Units mg/L						
SampID: 25010181-016BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		383	200.0	161.4	110.6	80	120	01/23/2025
Sulfate		10.0		374	200.0	178.2	97.9	80	120	01/23/2025

Batch R359271		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010181-016BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		380	200.0	161.4	109.5	382.7	0.61	01/23/2025
Sulfate			10.0		372	200.0	178.2	96.9	374.0	0.52	01/23/2025

Batch R359271		SampType: MS		Units mg/L						
SampID: 25010181-017BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		220	200.0	15.95	101.9	80	120	01/23/2025
Sulfate		10.0		255	200.0	66.80	93.9	80	120	01/23/2025

Batch R359271		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010181-017BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		220	200.0	15.95	102.0	219.7	0.13	01/23/2025
Sulfate			10.0		255	200.0	66.80	94.1	254.6	0.11	01/23/2025

Batch R359271		SampType: MS		Units mg/L						
SampID: 25010181-048BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		380	200.0	161.9	109.0	80	120	01/23/2025
Sulfate		10.0		372	200.0	178.8	96.5	80	120	01/23/2025



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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359271		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25010181-048BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		381	200.0	161.9	109.3	379.9	0.18	01/23/2025
Sulfate		10.0		372	200.0	178.8	96.8	371.8	0.15	01/23/2025

Batch R359272		SampType: MS		Units mg/L						
SampID: 25010181-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		220	200.0	14.32	102.9	80	120	01/24/2025
Sulfate		10.0		330	200.0	134.4	97.9	80	120	01/24/2025

Batch R359272		SampType: MSD		Units mg/L				RPD Limit 15			
SampleID: 25010181-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		220	200.0	14.32	102.8	220.1	0.09	01/24/2025
Sulfate			10.0		329	200.0	134.4	97.5	330.2	0.27	01/24/2025

Batch R359272		SampType: MS		Units mg/L						
SampID: 25010181-019BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		222	200.0	16.44	102.9	80	120	01/24/2025
Sulfate		10.0		249	200.0	59.86	94.7	80	120	01/24/2025

Batch R359272		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010181-019BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		222	200.0	16.44	102.6	222.3	0.28	01/24/2025
Sulfate			10.0		249	200.0	59.86	94.5	249.3	0.20	01/24/2025

Batch R359272		SampType: MS		Units mg/L						
SampID: 25011495-007BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2.50		110	100.0	9.870	99.9	80	120	01/24/2025
Sulfate		5.00		409	100.0	306.5	102.9	80	120	01/24/2025



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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359272		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 25011495-007BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2.50		111	100.0	9.870	100.8	109.7	0.87	01/24/2025
Sulfate		5.00		410	100.0	306.5	103.5	409.4	0.15	01/24/2025

Batch R359470		SampType: MS		Units mg/L						
SampID: 25010181-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		214	200.0	11.84	100.8	80	120	01/28/2025
Sulfate		10.0		520	200.0	316.6	101.7	80	120	01/28/2025

Batch R359470		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010181-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		215	200.0	11.84	101.5	213.5	0.67	01/28/2025
Sulfate			10.0		521	200.0	316.6	102.4	519.9	0.29	01/28/2025

Batch R359470		SampType: MS		Units mg/L						
SampID: 25010181-014BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		244	200.0	36.08	104.0	80	120	01/28/2025
Sulfate		10.0		682	200.0	472.2	105.1	80	120	01/28/2025

Batch R359470		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010181-014BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			5.00		244	200.0	36.08	104.0	244.1	0.03	01/28/2025
Sulfate			10.0		679	200.0	472.2	103.2	682.4	0.54	01/28/2025

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359271		SampType: MBLK		Units mg/L						
SampID: MBLK/ICB										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		ND						01/23/2025
Chloride		0.50		ND						01/23/2025
Sulfate		1.00		ND						01/23/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359271		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.91	1.000	0	91.1	90	110	01/23/2025
Chloride		0.50		20.1	20.00	0	100.5	90	110	01/23/2025
Sulfate		1.00		18.4	20.00	0	91.8	90	110	01/23/2025

Batch R359271		SampType: MS		Units mg/L						
SampID: 25011476-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.36	10.00	0.2780	90.9	80	120	01/23/2025
Chloride		5.00		214	200.0	12.15	100.8	80	120	01/23/2025
Sulfate		10.0		424	200.0	227.4	98.4	80	120	01/23/2025

Batch R359271		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011476-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.40	10.00	0.2780	91.2	9.364	0.40	01/23/2025
Chloride		5.00		215	200.0	12.15	101.5	213.8	0.62	01/23/2025
Sulfate		10.0		425	200.0	227.4	98.8	424.3	0.19	01/23/2025

Batch R359271		SampType: MS		Units mg/L						
SampID: 25011484-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.46	10.00	0.3300	91.3	80	120	01/23/2025
Chloride		5.00		426	200.0	207.7	109.0	80	120	01/23/2025
Sulfate		10.0		189	200.0	7.414	90.7	80	120	01/23/2025

Batch R359271		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 25011484-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.45	10.00	0.3300	91.2	9.461	0.12	01/23/2025
Chloride		5.00		425	200.0	207.7	108.8	425.6	0.06	01/23/2025
Sulfate		10.0		189	200.0	7.414	90.9	188.8	0.23	01/23/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359272		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.05		ND						01/24/2025	
Chloride		0.50		ND						01/24/2025	
Sulfate		1.00		ND						01/24/2025	

Batch R359272		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.93	1.000	0	92.9	90	110	01/24/2025
Chloride		0.50		20.5	20.00	0	102.5	90	110	01/24/2025
Sulfate		1.00		18.7	20.00	0	93.7	90	110	01/24/2025

Batch R359272		SampType: MS		Units mg/L							
SampID: 25011495-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.25		4.52	5.000	0.1150	88.1	80	120	01/24/2025	

Batch R359272		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011495-007BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.25		4.60	5.000	0.1150	89.6	4.520	1.66	01/24/2025

Batch R359272		SampType: MS		Units mg/L						
SampID: 25011561-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.47	10.00	0.2910	91.8	80	120	01/24/2025
Chloride		5.00		236	200.0	29.71	103.3	80	120	01/24/2025
Sulfate		10.0		215	200.0	29.16	92.8	80	120	01/24/2025

Batch R359272		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011561-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.55	10.00	0.2910	92.6	9.473	0.77	01/24/2025
Chloride			5.00		237	200.0	29.71	103.8	236.3	0.44	01/24/2025
Sulfate			10.0		216	200.0	29.16	93.2	214.7	0.44	01/24/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359272		SampType: MS		Units mg/L						
SampID: 25011562-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.48	10.00	0	94.8	80	120	01/24/2025
Chloride		5.00		260	200.0	48.73	105.6	80	120	01/24/2025
Sulfate		10.0		221	200.0	33.57	93.8	80	120	01/24/2025

Batch R359272		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25011562-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.52	10.00	0	95.2	9.485	0.40	
Chloride			5.00		261	200.0	48.73	106.2	260.0	0.41	
Sulfate			10.0		222	200.0	33.57	94.1	221.3	0.25	

Batch R359272		SampType: MS		Units mg/L						
SampID: 25011584-007AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		1.00		305	40.00	270.5	86.6	80	120	01/25/2025
Sulfate		2.00		37.4	40.00	0	93.5	80	120	01/25/2025

Batch R359272		SampType: MSD		Units mg/L						RPD Limit 15	
SampID: 25011584-007AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			1.00		306	40.00	270.5	88.6	305.1	0.27	01/25/2025
Sulfate			2.00		37.5	40.00	0	93.8	37.39	0.29	01/25/2025

Batch R359470		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						01/28/2025	
Chloride		0.50		ND						01/28/2025	
Sulfate		1.00		ND						01/28/2025	

Batch R359470		SampType: LCS		Units mg/L							
SampID: LCS/ICV/QCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		0.95	1.000	0	95.5	90	110	01/28/2025	
Chloride		0.50		21.2	20.00	0	106.0	90	110	01/28/2025	
Sulfate		1.00		19.4	20.00	0	97.2	90	110	01/28/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233786 SampType: MBLK Units mg/L

SampID: MBLK-233786

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	01/23/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/23/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/23/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/23/2025

Batch 233786 SampType: LCS Units mg/L

SampID: LCS-233786

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.64	5.000	0	92.8	85	115	01/23/2025
Magnesium		0.0500		4.82	5.000	0	96.4	85	115	01/23/2025
Potassium		0.100		4.93	5.000	0	98.6	85	115	01/23/2025
Sodium		0.0500		4.90	5.000	0	98.0	85	115	01/23/2025

Batch 233786 SampType: MS Units mg/L

SampID: 25011343-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	364	5.000	325.1	769.6	75	125	01/23/2025
Magnesium		0.0500	S	155	5.000	147.8	143.8	75	125	01/23/2025

Batch 233786 SampType: MSD Units mg/L

SampID: 25011343-002BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	378	5.000	325.1	1059	363.6	3.91	01/23/2025
Magnesium		0.0500	S	155	5.000	147.8	141.4	155.0	0.08	01/23/2025

Batch 233790 SampType: MBLK Units mg/L

SampID: MBLK-233790

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	01/24/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/24/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/24/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/24/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233790		SampType: LCS		Units mg/L							
SampID: LCS-233790											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		4.93	5.000	0	98.6	85	115	01/24/2025	
Magnesium		0.0500		4.87	5.000	0	97.3	85	115	01/24/2025	
Potassium		0.100		5.09	5.000	0	101.8	85	115	01/24/2025	
Sodium		0.0500		5.25	5.000	0	105.0	85	115	01/24/2025	

Batch 233790		SampType: MS		Units mg/L						
SampID: 25010181-016CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		16.2	5.000	11.09	103.0	75	125	01/24/2025
Magnesium		0.0500		9.05	5.000	4.357	93.8	75	125	01/24/2025
Potassium		0.100		7.56	5.000	2.161	108.0	75	125	01/24/2025
Sodium		0.500	S	572	5.000	556.3	312.0	75	125	01/28/2025

Batch	233790	SampType:	MSD	Units mg/L					RPD Limit		20
SampID: 25010181-016CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		16.4	5.000	11.09	106.4	16.24	1.04	01/24/2025	
Magnesium		0.0500		9.17	5.000	4.357	96.3	9.049	1.33	01/24/2025	
Potassium		0.100		7.62	5.000	2.161	109.1	7.559	0.76	01/24/2025	
Sodium		0.500	S	560	5.000	556.3	74.0	571.9	2.10	01/28/2025	

Batch 233790		SampType: MS		Units mg/L						
SampID: 25010181-050BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100		31.7	5.000	27.65	81.8	75	125	01/24/2025
Magnesium		0.0500		20.6	5.000	16.71	77.1	75	125	01/24/2025
Potassium		1.00		10.1	5.000	4.460	113.3	75	125	01/28/2025
Sodium		0.500	S	724	5.000	723.7	8.0	75	125	01/28/2025

Batch	233790	SampType:	MSD	Units mg/L				RPD Limit			20
SampID: 25010181-050BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		31.9	5.000	27.65	85.4	31.74	0.57	01/24/2025	
Magnesium		0.0500		20.8	5.000	16.71	82.3	20.56	1.24	01/24/2025	
Potassium		1.00		10.0	5.000	4.460	111.5	10.12	0.89	01/28/2025	
Sodium		0.500	S	717	5.000	723.7	-138.0	724.1	1.01	01/28/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233831 SampType: MBLK Units mg/L

SampleID: MBLK-233831

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	01/27/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/27/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/27/2025
Sodium		0.0500	S	0.108	0.0180	0	601.1	-100	100	01/27/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/28/2025

Batch 233831 SampType: LCS Units mg/L

SampleID: LCS-233831

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.29	5.000	0	105.8	85	115	01/28/2025
Iron		0.0400		4.44	4.000	0	111.0	85	115	01/28/2025
Magnesium		0.0500		4.95	5.000	0	99.0	85	115	01/27/2025
Potassium		0.100		5.42	5.000	0	108.4	85	115	01/27/2025
Sodium		0.0500	B	5.37	5.000	0	107.4	85	115	01/27/2025
Sodium		0.0500		5.41	5.000	0	108.2	85	115	01/28/2025

Batch 233831 SampType: MS Units mg/L

SampleID: 25011532-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		4.38	4.000	0	109.5	75	125	01/28/2025

Batch 233831 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011532-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		4.34	4.000	0	108.5	4.380	0.92	01/28/2025

Batch 233831 SampType: MS Units mg/L

SampleID: 25011561-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		9.68	4.000	5.050	115.8	75	125	01/28/2025

Batch 233831 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011561-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		9.57	4.000	5.050	113.0	9.680	1.14	01/28/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233903 SampType: MBLK Units mg/L

SampID: MBLK-233903

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	01/28/2025
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	01/28/2025
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	01/28/2025
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	01/28/2025
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	01/28/2025
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/28/2025
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	01/28/2025
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	01/28/2025
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	01/28/2025
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	01/28/2025
Lithium	*	0.0500		< 0.0500	0.0019	0	0	-100	100	01/28/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/28/2025
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	01/28/2025
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	01/28/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/28/2025
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	01/28/2025
Sodium		0.0500	S	0.0682	0.0180	0	378.9	-100	100	01/28/2025
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	01/28/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233903		SampType: LCS		Units mg/L							
SampID: LCS-233903											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0500		1.01	1.000	0	100.5	85	115	01/28/2025	
Arsenic		0.0250		0.979	1.000	0	97.9	85	115	01/28/2025	
Barium		0.0025		3.89	4.000	0	97.2	85	115	01/28/2025	
Beryllium		0.0005		0.0990	0.1000	0	99.0	85	115	01/28/2025	
Cadmium		0.0020		0.0932	0.1000	0	93.2	85	115	01/28/2025	
Calcium		0.100		4.96	5.000	0	99.2	85	115	01/28/2025	
Chromium		0.0050		0.396	0.4000	0	98.9	85	115	01/28/2025	
Cobalt		0.0050		1.02	1.000	0	101.6	85	115	01/28/2025	
Iron		0.0400		4.11	4.000	0	102.8	85	115	01/28/2025	
Lead		0.0150		0.972	1.000	0	97.2	85	115	01/28/2025	
Lithium	*	0.0500		0.910	1.000	0	91.0	85	115	01/28/2025	
Magnesium		0.0500		4.63	5.000	0	92.6	85	115	01/28/2025	
Manganese		0.0070		0.974	1.000	0	97.4	85	115	01/28/2025	
Molybdenum		0.0100		0.976	1.000	0	97.6	85	115	01/28/2025	
Potassium		0.100		5.10	5.000	0	101.9	85	115	01/28/2025	
Selenium		0.0400		0.967	1.000	0	96.7	85	115	01/28/2025	
Sodium		0.0500	B	5.11	5.000	0	102.2	85	115	01/28/2025	
Thallium		0.0500		0.481	0.5000	0	96.2	85	115	01/28/2025	

Batch 233903		SampType: MS		Units mg/L							
SampID: 25011604-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Barium		0.0025		7.39	4.000	3.340	101.2	75	125	01/28/2025	

Batch 233903		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 25011604-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium			0.0025		7.22	4.000	3.340	97.0	7.390	2.33	01/28/2025

Batch 233933		SampType: MBLK		Units mg/L						
SampID: MBLK-233933										
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	01/28/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/28/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/28/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	01/28/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233933 SampType: LCS Units mg/L

SampID: LCS-233933

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.02	5.000	0	100.4	85	115	01/28/2025
Magnesium		0.0500		4.92	5.000	0	98.3	85	115	01/28/2025
Potassium		0.100		5.24	5.000	0	104.9	85	115	01/28/2025
Sodium		0.0500		5.21	5.000	0	104.2	85	115	01/28/2025

Batch 233949 SampType: MBLK Units mg/L

SampID: MBLK-233949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	01/28/2025
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	01/28/2025
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	01/28/2025
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	01/28/2025
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	01/28/2025
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	01/28/2025
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	01/28/2025
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	01/28/2025
Lithium		0.0500		< 0.0500	0.0019	0	0	-100	100	01/28/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	01/28/2025
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	01/28/2025
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	01/28/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	01/28/2025
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	01/28/2025
Sodium		0.0500	S	0.0952	0.0180	0	528.9	-100	100	01/28/2025
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	01/28/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233949		SampType: LCS		Units mg/L							
SampID: LCS-233949											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Barium		0.0025		3.91	4.000	0	97.8	85	115	01/28/2025	
Beryllium		0.0005		0.102	0.1000	0	101.6	85	115	01/28/2025	
Cadmium		0.0020		0.0930	0.1000	0	93.0	85	115	01/28/2025	
Calcium		0.100		5.03	5.000	0	100.6	85	115	01/28/2025	
Chromium		0.0050		0.404	0.4000	0	100.9	85	115	01/28/2025	
Cobalt		0.0050		1.05	1.000	0	105.3	85	115	01/28/2025	
Iron		0.0400		4.21	4.000	0	105.2	85	115	01/28/2025	
Lead		0.0150		0.994	1.000	0	99.4	85	115	01/28/2025	
Lithium		0.0500		0.949	1.000	0	94.9	85	115	01/28/2025	
Magnesium		0.0500		4.73	5.000	0	94.7	85	115	01/28/2025	
Manganese		0.0070		0.995	1.000	0	99.5	85	115	01/28/2025	
Molybdenum		0.0100		0.999	1.000	0	99.9	85	115	01/28/2025	
Potassium		0.100		5.23	5.000	0	104.6	85	115	01/28/2025	
Selenium		0.0400		1.00	1.000	0	100.0	85	115	01/28/2025	
Sodium		0.0500	B	5.23	5.000	0	104.5	85	115	01/28/2025	
Thallium		0.0500		0.488	0.5000	0	97.6	85	115	01/28/2025	

Batch 233949		SampType: MS		Units mg/L						
SampID: 25010181-040BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	141	5.000	161.8	-422.6	75	125	01/28/2025
Magnesium		0.0500	S	55.6	5.000	61.18	-112.0	75	125	01/28/2025
Potassium		0.100		5.77	5.000	0.5472	104.4	75	125	01/28/2025
Sodium		0.0500	BS	43.5	5.000	47.42	-78.2	75	125	01/28/2025

Batch 233949		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 25010181-040BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	141	5.000	161.8	-413.4	140.7	0.33	01/28/2025
Magnesium		0.0500	S	55.6	5.000	61.18	-111.0	55.58	0.09	01/28/2025
Potassium		0.100		5.75	5.000	0.5472	104.0	5.770	0.36	01/28/2025
Sodium		0.0500	BS	43.6	5.000	47.42	-77.2	43.51	0.11	01/28/2025



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233949		SampType: MS		Units mg/L						
SampID: 25010181-045CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.05	5.000	0	101.0	75	125	01/28/2025
Magnesium		0.0500		4.74	5.000	0	94.7	75	125	01/28/2025
Potassium		0.100		5.18	5.000	0	103.7	75	125	01/28/2025
Sodium		0.0500	B	5.17	5.000	0	103.5	75	125	01/28/2025

Batch 233949		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 25010181-045CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		4.96	5.000	0	99.2	5.050	1.77	01/28/2025
Magnesium		0.0500		4.65	5.000	0	93.0	4.737	1.87	01/28/2025
Potassium		0.100		5.07	5.000	0	101.3	5.183	2.28	01/28/2025
Sodium		0.0500	B	5.05	5.000	0	101.0	5.175	2.40	01/28/2025

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

Batch 233791		SampType: MBLK		Units mg/L							
SampID: MBLK-233791											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	01/23/2025	

Batch 233791		SampType: LCS		Units mg/L							
SampID: LCS-233791											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0250		0.909	1.000	0	90.9	80	120	01/23/2025	

Batch 233863		SampType: MBLK		Units mg/L							
SampID: MBLK-233863											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	01/24/2025	

Batch 233863		SampType: LCS		Units mg/L							
SampID: LCS-233863											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		0.978	1.000	0	97.8	80	120	01/24/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233950		SampType: MBLK		Units mg/L						
SampID: MBLK-233950										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	01/28/2025
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	01/28/2025
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/28/2025

Batch 233950		SampType: LCS		Units mg/L						
SampID: LCS-233950										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		0.914	1.000	0	91.4	80	120	01/28/2025
Iron		0.0250		3.42	4.000	0	85.6	80	120	01/28/2025
Manganese		0.0020		0.908	1.000	0	90.8	80	120	01/28/2025

Batch 233950		SampType: MS		Units mg/L							Date Analyzed
SampID: 25010181-014DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0250		1.06	1.000	0.1644	89.9	75	125	01/28/2025	

Batch 233950		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 25010181-014DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Boron			0.0250		1.06	1.000	0.1644	89.5	1.064	0.43	01/28/2025



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233786		SampType: MBLK		Units mg/L							
SampID: MBLK-233786											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	01/23/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	01/23/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	01/23/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	01/23/2025	
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	01/23/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	01/23/2025	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	01/23/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	01/23/2025	
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	01/23/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	01/23/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	01/23/2025	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/23/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	01/23/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	01/23/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/23/2025	

Batch 233786		SampType: LCS		Units mg/L							
SampID: LCS-233786											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010	SE	1.27	1.000	0	126.9	85	115	01/23/2025	
Antimony		0.0010		0.960	1.000	0	96.0	80	120	01/24/2025	
Arsenic		0.0010		0.976	1.000	0	97.6	85	115	01/23/2025	
Barium		0.0010		4.43	4.000	0	110.8	80	120	01/24/2025	
Beryllium		0.0010		0.0990	0.1000	0	99.0	85	115	01/23/2025	
Boron	*	0.0250		0.980	1.000	0	98.0	85	115	01/23/2025	
Cadmium		0.0010	S	0.117	0.1000	0	117.0	85	115	01/23/2025	
Chromium		0.0015		0.395	0.4000	0	98.7	85	115	01/23/2025	
Cobalt		0.0010		0.934	1.000	0	93.4	85	115	01/23/2025	
Iron	*	0.0250		3.88	4.000	0	97.0	85	115	01/23/2025	
Lead		0.0010	E	0.976	1.000	0	97.6	85	115	01/23/2025	
Lithium	*	0.0030		1.05	1.000	0	105.2	85	115	01/23/2025	
Manganese		0.0020		0.984	1.000	0	98.4	85	115	01/23/2025	
Molybdenum		0.0015		1.12	1.000	0	111.9	85	115	01/23/2025	
Selenium		0.0010		0.984	1.000	0	98.4	85	115	01/23/2025	
Thallium		0.0020		0.469	0.5000	0	93.8	85	115	01/23/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233786 SampType: MS Units mg/L

SampID: 25011405-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0010		0.118	0.1000	0	118.5	70	130	01/23/2025

Batch 233786 SampType: MSD Units mg/L

RPD Limit 20

SampID: 25011405-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium		0.0010		0.112	0.1000	0	111.8	0.1185	5.82	01/23/2025

Batch 233790 SampType: MBLK Units mg/L

SampID: MBLK-233790

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	01/24/2025
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	01/24/2025
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	01/24/2025
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	01/24/2025
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	01/24/2025
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	01/24/2025
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	01/24/2025
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	01/24/2025
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	01/24/2025
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	01/24/2025
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	01/24/2025
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/24/2025
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	01/24/2025
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	01/24/2025
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/24/2025



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233790		SampType: LCS		Units mg/L							
SampID: LCS-233790											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.01	1.000	0	100.9	85	115	01/24/2025	
Arsenic		0.0010		1.01	1.000	0	100.6	85	115	01/24/2025	
Barium		0.0010		4.55	4.000	0	113.7	85	115	01/24/2025	
Beryllium		0.0010		0.0993	0.1000	0	99.3	85	115	01/24/2025	
Boron	*	0.0250		0.976	1.000	0	97.6	85	115	01/24/2025	
Cadmium		0.0010	S	0.128	0.1000	0	127.8	85	115	01/24/2025	
Chromium		0.0015		0.383	0.4000	0	95.8	85	115	01/24/2025	
Cobalt		0.0010		0.867	1.000	0	86.7	85	115	01/24/2025	
Iron	*	0.0250		3.80	4.000	0	94.9	85	115	01/24/2025	
Lead		0.0010	E	0.964	1.000	0	96.4	85	115	01/24/2025	
Lithium	*	0.0030		1.05	1.000	0	104.9	85	115	01/24/2025	
Manganese		0.0020		0.975	1.000	0	97.5	85	115	01/24/2025	
Molybdenum		0.0015		0.949	1.000	0	94.9	85	115	01/24/2025	
Selenium		0.0010		1.00	1.000	0	100.2	85	115	01/24/2025	
Thallium		0.0020		0.457	0.5000	0	91.4	85	115	01/24/2025	

Batch 233790		SampType: MS		Units mg/L							
SampID: 25010181-016CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.929	1.000	0	92.9	75	125	01/24/2025	
Arsenic		0.0010		0.880	1.000	0.002558	87.8	75	125	01/27/2025	
Barium		0.0010		4.16	4.000	0.01745	103.5	75	125	01/27/2025	
Beryllium		0.0010		0.0990	0.1000	0	99.0	75	125	01/24/2025	
Boron		0.0250		2.78	1.000	1.824	96.1	75	125	01/24/2025	
Cadmium		0.0010		0.116	0.1000	0	115.7	75	125	01/24/2025	
Chromium		0.0015		0.359	0.4000	0.0007586	89.6	75	125	01/24/2025	
Cobalt		0.0010		0.813	1.000	0	81.3	75	125	01/24/2025	
Iron		0.0250		3.59	4.000	0.05691	88.4	75	125	01/24/2025	
Lead		0.0010		0.866	1.000	0	86.6	75	125	01/24/2025	
Lithium	*	0.0030		1.12	1.000	0.09620	102.8	75	125	01/24/2025	
Manganese		0.0020		0.893	1.000	0.003524	88.9	75	125	01/24/2025	
Molybdenum		0.0015		0.886	1.000	0.001007	88.5	75	125	01/24/2025	
Selenium		0.0010		0.931	1.000	0	93.1	75	125	01/24/2025	
Thallium		0.0020		0.451	0.5000	0	90.2	75	125	01/24/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233790		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 25010181-016CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		0.0010		0.982	1.000	0	98.2	0.9287	5.60	01/24/2025	
Arsenic		0.0010		0.906	1.000	0.002558	90.4	0.8803	2.88	01/27/2025	
Barium		0.0010		4.38	4.000	0.01745	108.9	4.156	5.13	01/27/2025	
Beryllium		0.0010		0.0994	0.1000	0	99.4	0.09896	0.42	01/24/2025	
Boron		0.0250		2.76	1.000	1.824	94.0	2.785	0.76	01/24/2025	
Cadmium		0.0010		0.122	0.1000	0	122.3	0.1157	5.56	01/24/2025	
Chromium		0.0015		0.362	0.4000	0.0007586	90.3	0.3593	0.75	01/24/2025	
Cobalt		0.0010		0.823	1.000	0	82.3	0.8131	1.26	01/24/2025	
Iron		0.0250		3.62	4.000	0.05691	89.1	3.592	0.83	01/24/2025	
Lead		0.0010		0.906	1.000	0	90.6	0.8659	4.49	01/24/2025	
Lithium	*	0.0030		1.14	1.000	0.09620	104.4	1.124	1.47	01/24/2025	
Manganese		0.0020		0.914	1.000	0.003524	91.0	0.8928	2.33	01/24/2025	
Molybdenum		0.0015		0.941	1.000	0.001007	94.0	0.8861	6.00	01/24/2025	
Selenium		0.0010		0.947	1.000	0	94.7	0.9315	1.67	01/24/2025	
Thallium		0.0020		0.467	0.5000	0	93.4	0.4510	3.51	01/24/2025	

Batch 233790		SampType: MS		Units mg/L						
SampID: 25010181-050BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.02	1.000	0	102.3	75	125	01/24/2025
Arsenic		0.0010		1.04	1.000	0	104.1	75	125	01/24/2025
Barium		0.0010		4.57	4.000	0.05137	113.0	75	125	01/24/2025
Beryllium		0.0010		0.104	0.1000	0	104.3	75	125	01/24/2025
Boron		0.0250		2.93	1.000	1.756	117.4	75	125	01/27/2025
Cadmium		0.0010		0.114	0.1000	0	113.7	75	125	01/24/2025
Chromium		0.0015		0.390	0.4000	0	97.5	75	125	01/24/2025
Cobalt		0.0010		0.941	1.000	0	94.1	75	125	01/24/2025
Lead		0.0010		0.912	1.000	0	91.2	75	125	01/24/2025
Lithium	*	0.0030		1.18	1.000	0.1263	105.0	75	125	01/24/2025
Molybdenum		0.0015		1.20	1.000	0.0007215	119.8	75	125	01/24/2025
Selenium		0.0010		0.999	1.000	0	99.9	75	125	01/24/2025
Thallium		0.0020		0.505	0.5000	0	101.0	75	125	01/24/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233790		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 25010181-050BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		1.01	1.000	0	101.0	1.023	1.30	01/24/2025
Arsenic		0.0010		1.01	1.000	0	101.5	1.041	2.55	01/24/2025
Barium		0.0010		4.53	4.000	0.05137	111.9	4.572	0.96	01/24/2025
Beryllium		0.0010		0.103	0.1000	0	102.5	0.1043	1.71	01/24/2025
Boron		0.0250		2.90	1.000	1.756	114.2	2.930	1.10	01/27/2025
Cadmium		0.0010		0.114	0.1000	0	114.1	0.1137	0.38	01/24/2025
Chromium		0.0015		0.385	0.4000	0	96.1	0.3900	1.42	01/24/2025
Cobalt		0.0010		0.924	1.000	0	92.4	0.9413	1.90	01/24/2025
Lead		0.0010		0.903	1.000	0	90.3	0.9115	0.92	01/24/2025
Lithium	*	0.0030		1.16	1.000	0.1263	103.6	1.176	1.15	01/24/2025
Molybdenum		0.0015		1.20	1.000	0.0007215	119.7	1.199	0.08	01/24/2025
Selenium		0.0010		0.987	1.000	0	98.7	0.9994	1.21	01/24/2025
Thallium		0.0020		0.490	0.5000	0	97.9	0.5049	3.07	01/24/2025

Batch 233831		SampType: MBLK		Units mg/L						
SampID: MBLK-233831										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	01/24/2025
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	01/24/2025
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	01/24/2025
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	01/24/2025
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	01/24/2025
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	01/24/2025
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	01/24/2025
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	01/24/2025
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	01/24/2025
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	01/24/2025
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	01/24/2025
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/24/2025
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	01/24/2025
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	01/24/2025
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/24/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233831		SampType: LCS		Units mg/L							
SampID: LCS-233831											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.02	1.000	0	102.1	80	120	01/24/2025	
Arsenic		0.0010		1.03	1.000	0	103.2	80	120	01/24/2025	
Barium		0.0010		4.54	4.000	0	113.5	80	120	01/24/2025	
Beryllium		0.0010		0.101	0.1000	0	101.5	80	120	01/24/2025	
Boron		0.0250		1.03	1.000	0	103.5	80	120	01/24/2025	
Cadmium		0.0010		0.114	0.1000	0	113.9	80	120	01/24/2025	
Chromium		0.0015		0.402	0.4000	0	100.4	80	120	01/24/2025	
Cobalt		0.0010		0.948	1.000	0	94.8	80	120	01/24/2025	
Iron		0.0250		4.02	4.000	0	100.4	80	120	01/24/2025	
Lead		0.0010		1.00	1.000	0	100.0	80	120	01/24/2025	
Lithium	*	0.0030		1.09	1.000	0	108.9	80	120	01/24/2025	
Manganese		0.0020		0.999	1.000	0	99.9	80	120	01/24/2025	
Molybdenum		0.0015		1.16	1.000	0	115.8	80	120	01/24/2025	
Selenium		0.0010		1.04	1.000	0	104.4	80	120	01/24/2025	
Thallium		0.0020		0.472	0.5000	0	94.3	80	120	01/24/2025	

Batch 233903		SampType: MBLK		Units mg/L							
SampID: MBLK-233903											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	01/28/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	01/28/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	01/28/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	01/28/2025	
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	01/28/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	01/28/2025	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	01/28/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	01/28/2025	
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	01/28/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	01/28/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	01/28/2025	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/28/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	01/28/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	01/28/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/28/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233903		SampType: LCS		Units mg/L							
SampID: LCS-233903											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.07	1.000	0	106.9	85	115	01/28/2025	
Arsenic		0.0010		1.01	1.000	0	101.0	85	115	01/28/2025	
Barium		0.0010		4.13	4.000	0	103.1	85	115	01/28/2025	
Beryllium		0.0010		0.0936	0.1000	0	93.6	85	115	01/29/2025	
Boron	*	0.0250		0.928	1.000	0	92.8	85	115	01/29/2025	
Cadmium		0.0010		0.100	0.1000	0	100.2	85	115	01/28/2025	
Chromium		0.0015		0.388	0.4000	0	97.1	85	115	01/28/2025	
Cobalt		0.0010		0.946	1.000	0	94.6	85	115	01/28/2025	
Iron	*	0.0250		3.61	4.000	0	90.3	85	115	01/28/2025	
Lead		0.0010	E	0.994	1.000	0	99.4	85	115	01/28/2025	
Lithium	*	0.0030		0.982	1.000	0	98.2	85	115	01/29/2025	
Manganese		0.0020		0.993	1.000	0	99.3	85	115	01/28/2025	
Molybdenum		0.0015		0.964	1.000	0	96.4	85	115	01/29/2025	
Selenium		0.0010		1.05	1.000	0	105.1	85	115	01/28/2025	
Thallium		0.0020		0.473	0.5000	0	94.6	85	115	01/28/2025	

Batch 233933		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-233933											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	01/28/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	01/28/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	01/28/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	01/28/2025	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	01/28/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	01/28/2025	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	01/28/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	01/28/2025	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	01/28/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	01/28/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	01/28/2025	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/28/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	01/28/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	01/28/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/28/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233933		SampType: LCS		Units mg/L							
SampID: LCS-233933											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.05	1.000	0	104.7	85	115	01/28/2025	
Arsenic		0.0010		0.979	1.000	0	97.9	80	120	01/28/2025	
Barium		0.0010		4.26	4.000	0	106.4	80	120	01/28/2025	
Beryllium		0.0010		0.0940	0.1000	0	94.0	80	120	01/29/2025	
Boron		0.0250		0.941	1.000	0	94.1	80	120	01/29/2025	
Cadmium		0.0010		0.101	0.1000	0	101.4	80	120	01/28/2025	
Chromium		0.0015		0.389	0.4000	0	97.4	80	120	01/28/2025	
Cobalt		0.0010		0.937	1.000	0	93.7	80	120	01/28/2025	
Iron		0.0250		3.98	4.000	0	99.5	80	120	01/28/2025	
Lead		0.0010		0.992	1.000	0	99.2	80	120	01/28/2025	
Lithium	*	0.0030		0.990	1.000	0	99.0	80	120	01/29/2025	
Manganese		0.0020		0.996	1.000	0	99.6	80	120	01/28/2025	
Molybdenum		0.0015		0.969	1.000	0	96.9	80	120	01/29/2025	
Selenium		0.0010		0.920	1.000	0	92.0	85	115	01/28/2025	
Thallium		0.0020		0.479	0.5000	0	95.8	85	115	01/28/2025	

Batch 233933		SampType: MS		Units mg/L						
SampID: 25011699-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		1.07	1.000	0.0006642	106.7	70	130	01/28/2025
Selenium		0.0010		0.976	1.000	0.0006973	97.5	70	130	01/28/2025
Thallium		0.0020		0.461	0.5000	0.001809	91.8	70	130	01/28/2025

Batch 233933		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 25011699-001CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		1.06	1.000	0.0006642	106.4	1.068	0.27	01/28/2025
Selenium		0.0010		0.972	1.000	0.0006973	97.2	0.9760	0.37	01/28/2025
Thallium		0.0020		0.452	0.5000	0.001809	90.1	0.4608	1.87	01/28/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233949		SampType: MBLK		Units mg/L							Date
SampID: MBLK-233949											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	01/28/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	01/28/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	02/03/2025	
Barium		0.0010	S	0.0015	0.0007	0	212.9	-100	100	01/29/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	01/28/2025	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	01/28/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	01/28/2025	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	01/28/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	01/28/2025	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	01/28/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	01/28/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	01/28/2025	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	01/28/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	01/29/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	01/28/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	01/28/2025	

Batch 233949		SampType: LCS		Units mg/L							
SampID: LCS-233949											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		1.12	1.000	0	111.9	80	120	01/28/2025	
Arsenic		0.0010		1.04	1.000	0	104.0	80	120	01/28/2025	
Barium		0.0010	B	4.25	4.000	0	106.3	80	120	01/29/2025	
Beryllium		0.0010		0.102	0.1000	0	101.6	80	120	01/28/2025	
Boron		0.0250		1.03	1.000	0	102.9	80	120	01/28/2025	
Cadmium		0.0010		0.104	0.1000	0	104.3	80	120	01/28/2025	
Chromium		0.0015		0.408	0.4000	0	101.9	80	120	01/28/2025	
Cobalt		0.0010		0.970	1.000	0	97.0	80	120	01/28/2025	
Iron		0.0250		4.06	4.000	0	101.4	80	120	01/28/2025	
Lead		0.0010		1.01	1.000	0	100.7	80	120	01/28/2025	
Lithium	*	0.0030		1.10	1.000	0	109.8	80	120	01/28/2025	
Manganese		0.0020		1.03	1.000	0	103.3	80	120	01/28/2025	
Molybdenum		0.0015		1.04	1.000	0	103.9	80	120	01/29/2025	
Selenium		0.0010		1.08	1.000	0	108.0	80	120	01/28/2025	
Thallium		0.0020		0.480	0.5000	0	95.9	80	120	01/28/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233949		SampType: MS		Units mg/L							
SampID: 25010181-040BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.10	1.000	0	110.1	75	125	01/28/2025	
Arsenic		0.0010		1.03	1.000	0.0008714	102.5	75	125	01/28/2025	
Barium		0.0010	B	4.18	4.000	0.06750	102.7	75	125	01/29/2025	
Beryllium		0.0010		0.101	0.1000	0	101.2	75	125	01/28/2025	
Boron		0.0250		1.42	1.000	0.5510	87.4	75	125	01/29/2025	
Cadmium		0.0010		0.102	0.1000	0	101.8	75	125	01/28/2025	
Chromium		0.0015		0.390	0.4000	0	97.5	75	125	01/28/2025	
Cobalt		0.0010		0.934	1.000	0.0002385	93.4	75	125	01/28/2025	
Lead		0.0010		1.03	1.000	0	103.2	75	125	01/28/2025	
Lithium	*	0.0030		0.968	1.000	0.01454	95.3	75	125	01/29/2025	
Molybdenum		0.0015		1.03	1.000	0	102.7	75	125	01/29/2025	
Selenium		0.0010		1.05	1.000	0	105.2	75	125	01/28/2025	
Thallium		0.0020		0.484	0.5000	0	96.8	75	125	01/28/2025	

Batch 233949		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 25010181-040BMSD											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		0.0010		1.11	1.000	0	110.5	1.101	0.41	01/28/2025	
Arsenic		0.0010		1.03	1.000	0.0008714	102.8	1.026	0.21	01/28/2025	
Barium		0.0010	B	4.17	4.000	0.06750	102.6	4.176	0.08	01/29/2025	
Beryllium		0.0010		0.102	0.1000	0	102.3	0.1012	1.06	01/28/2025	
Boron		0.0250		1.40	1.000	0.5510	85.4	1.425	1.42	01/29/2025	
Cadmium		0.0010		0.102	0.1000	0	101.7	0.1018	0.06	01/28/2025	
Chromium		0.0015		0.403	0.4000	0	100.8	0.3901	3.27	01/28/2025	
Cobalt		0.0010		0.938	1.000	0.0002385	93.8	0.9344	0.38	01/28/2025	
Lead		0.0010		0.992	1.000	0	99.2	1.032	3.91	01/28/2025	
Lithium	*	0.0030		0.975	1.000	0.01454	96.1	0.9675	0.80	01/29/2025	
Molybdenum		0.0015		1.01	1.000	0	101.4	1.027	1.31	01/29/2025	
Selenium		0.0010		1.06	1.000	0	106.0	1.052	0.83	01/28/2025	
Thallium		0.0020		0.474	0.5000	0	94.8	0.4838	2.04	01/28/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 233949		SampType: MS		Units mg/L							
SampID: 25010181-045CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.08	1.000	0	107.5	75	125	01/28/2025	
Arsenic		0.0010		1.01	1.000	0	100.8	75	125	01/28/2025	
Barium		0.0010		4.58	4.000	0	114.6	75	125	02/03/2025	
Beryllium		0.0010		0.0978	0.1000	0	97.8	75	125	01/28/2025	
Boron		0.0250		1.01	1.000	0	101.3	75	125	01/30/2025	
Cadmium		0.0010		0.0999	0.1000	0	99.9	75	125	01/28/2025	
Chromium		0.0015		0.393	0.4000	0	98.2	75	125	01/28/2025	
Cobalt		0.0010		0.948	1.000	0	94.8	75	125	01/28/2025	
Iron		0.0250		4.11	4.000	0.01332	102.3	75	125	01/28/2025	
Lead		0.0010		1.01	1.000	0	101.2	75	125	01/28/2025	
Lithium	*	0.0030		1.06	1.000	0	106.3	75	125	01/30/2025	
Manganese		0.0020		1.01	1.000	0	101.1	75	125	01/28/2025	
Molybdenum		0.0015		0.962	1.000	0	96.2	75	125	01/30/2025	
Selenium		0.0010		1.06	1.000	0	106.5	75	125	01/28/2025	
Thallium		0.0020		0.462	0.5000	0	92.4	75	125	01/28/2025	

Batch	233949	SampType:	MSD	Units				mg/L	RPD Limit			20
SampID: 25010181-045CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony			0.0010		1.07	1.000	0	106.6	1.075	0.80	01/28/2025	
Arsenic			0.0010		1.00	1.000	0	100.2	1.008	0.68	01/28/2025	
Barium			0.0010		4.46	4.000	0	111.5	4.583	2.70	02/03/2025	
Beryllium			0.0010		0.0959	0.1000	0	95.9	0.09776	1.91	01/28/2025	
Boron			0.0250		1.01	1.000	0	101.1	1.013	0.12	01/30/2025	
Cadmium			0.0010		0.0997	0.1000	0	99.7	0.09985	0.14	01/28/2025	
Chromium			0.0015		0.391	0.4000	0	97.7	0.3929	0.57	01/28/2025	
Cobalt			0.0010		0.946	1.000	0	94.6	0.9484	0.22	01/28/2025	
Iron			0.0250		3.91	4.000	0.01332	97.4	4.105	4.90	01/28/2025	
Lead			0.0010		0.969	1.000	0	96.9	1.012	4.33	01/28/2025	
Lithium		*	0.0030		1.05	1.000	0	104.7	1.063	1.56	01/30/2025	
Manganese			0.0020		0.993	1.000	0	99.3	1.011	1.82	01/28/2025	
Molybdenum			0.0015		0.944	1.000	0	94.4	0.9624	1.98	01/30/2025	
Selenium			0.0010		1.05	1.000	0	105.1	1.065	1.32	01/28/2025	
Thallium			0.0020		0.465	0.5000	0	92.9	0.4620	0.56	01/28/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 234366		SampType: MBLK		Units mg/L							
SampID: MBLK-234366											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	02/06/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	02/06/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	02/06/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	02/06/2025	
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	02/06/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	02/06/2025	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	02/06/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	02/06/2025	
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	02/06/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	02/06/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	02/06/2025	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	02/06/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	02/06/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	02/06/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	02/06/2025	

Batch 234366		SampType: LCS		Units mg/L							
SampID: LCS-234366											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.03	1.000	0	102.5	85	115	02/06/2025	
Arsenic		0.0010		0.963	1.000	0	96.3	85	115	02/06/2025	
Barium		0.0010		3.78	4.000	0	94.5	85	115	02/06/2025	
Beryllium		0.0010		0.0922	0.1000	0	92.2	85	115	02/06/2025	
Boron	*	0.0250		0.910	1.000	0	91.0	85	115	02/06/2025	
Cadmium		0.0010		0.0934	0.1000	0	93.4	85	115	02/06/2025	
Chromium		0.0015		0.362	0.4000	0	90.5	85	115	02/06/2025	
Cobalt		0.0010		0.907	1.000	0	90.7	85	115	02/06/2025	
Iron	*	0.0250		3.62	4.000	0	90.6	85	115	02/06/2025	
Lead		0.0010	E	0.858	1.000	0	85.8	85	115	02/06/2025	
Lithium	*	0.0030		0.987	1.000	0	98.7	85	115	02/06/2025	
Manganese		0.0020		0.913	1.000	0	91.3	85	115	02/06/2025	
Molybdenum		0.0015		0.917	1.000	0	91.7	85	115	02/06/2025	
Selenium		0.0010		0.967	1.000	0	96.7	85	115	02/06/2025	
Thallium		0.0020		0.473	0.5000	0	94.6	85	115	02/07/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

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

Batch 234691		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-234691											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	02/13/2025	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	02/13/2025	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	02/13/2025	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	02/13/2025	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	02/13/2025	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	02/13/2025	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	02/13/2025	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	02/13/2025	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	02/13/2025	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	02/13/2025	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	02/13/2025	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	02/13/2025	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	02/13/2025	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	02/13/2025	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	02/13/2025	

Batch 234691		SampType: LCS		Units mg/L							
SampID: LCS-234691											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		1.07	1.000	0	107.5	80	120	02/13/2025	
Arsenic		0.0010		0.957	1.000	0	95.7	80	120	02/13/2025	
Barium		0.0010		4.14	4.000	0	103.5	80	120	02/13/2025	
Beryllium		0.0010		0.0876	0.1000	0	87.6	80	120	02/13/2025	
Boron		0.0250		0.875	1.000	0	87.5	80	120	02/13/2025	
Cadmium		0.0010		0.107	0.1000	0	106.9	80	120	02/13/2025	
Chromium		0.0015		0.395	0.4000	0	98.6	80	120	02/13/2025	
Cobalt		0.0010		1.04	1.000	0	104.1	80	120	02/13/2025	
Iron		0.0250		3.90	4.000	0	97.4	80	120	02/13/2025	
Lead		0.0010		1.02	1.000	0	101.6	80	120	02/13/2025	
Lithium	*	0.0030		0.900	1.000	0	90.0	80	120	02/13/2025	
Manganese		0.0020		0.977	1.000	0	97.7	80	120	02/13/2025	
Molybdenum		0.0015		1.07	1.000	0	106.5	80	120	02/13/2025	
Selenium		0.0010		1.09	1.000	0	108.7	80	120	02/13/2025	
Thallium		0.0020		0.474	0.5000	0	94.9	80	120	02/13/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW-846 7470A (TOTAL)

Batch 233801		SampType: MBLK		Units mg/L							
SampID: MBLK-233801											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	01/24/2025	

Batch 233801		SampType: LCS		Units mg/L							
SampID: LCS-233801											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00482	0.0050	0	96.4	85	115	01/24/2025	

Batch 233801		SampType: MS		Units mg/L							
SampID: 25010181-016CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00494	0.0050	0	98.8	75	125	01/24/2025	

Batch 233801		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 25010181-016CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00461	0.0050	0	92.1	0.004940	6.99	01/24/2025	

Batch 233801		SampType: MS		Units mg/L							
SampID: 25010181-050BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00456	0.0050	0	91.2	75	125	01/24/2025	

Batch 233801		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25010181-050BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00438	0.0050	0	87.6	0.004560	4.05	01/24/2025

Batch 233858		SampType: MBLK		Units mg/L							
SampID: MBLK-233858											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	01/24/2025	

Batch 233858		SampType: LCS		Units mg/L							
SampID: LCS-233858											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00454	0.0050	0	90.7	85	115	01/24/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW-846 7470A (TOTAL)

Batch 233858		SampType: MS		Units mg/L							Date
SampID: 25010181-030BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00472	0.0050	0	94.4	75	125	01/24/2025	

Batch 233858		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 25010181-030BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury		0.00020		0.00481	0.0050	0	96.3	0.004720	1.94	01/24/2025		

Batch 233858		SampType: MS		Units mg/L							Date
SampID: 25011527-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00466	0.0050	0	93.1	75	125	01/24/2025	

Batch 233858		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 25011527-001BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury		0.00020		0.00466	0.0050	0	93.2	0.004656	0.12	01/24/2025		

Batch 233951		SampType: MBLK		Units mg/L							Date
SampID: MBLK-233951											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	01/28/2025	

Batch 233951		SampType: LCS		Units mg/L							Date
SampID: LCS-233951											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00460	0.0050	0	92.1	85	115	01/28/2025	

Batch 233951		SampType: MS		Units mg/L							Date
SampID: 25010181-014CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00463	0.0050	0	92.5	75	125	01/28/2025	

Batch 233951		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 25010181-014CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury		0.00020		0.00462	0.0050	0	92.4	0.004626	0.11	01/28/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

SW-846 7470A (TOTAL)

Batch 233951		SampType: MS		Units mg/L							
SampID: 25010181-047BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00477	0.0050	0	95.5	75	125	01/28/2025	

Batch 233951		SampType: MSD		Units mg/L			RPD Limit 15				
SampID: 25010181-047BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00485	0.0050	0	97.1	0.004774	1.65	01/28/2025	



Receiving Check List

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

Client: Ramboll

Work Order: 25010181

Client Project: BAL-25Q1

Report Date: 04-Mar-25

Carrier: Daniel Crump

Received By: AMD

Completed by:

On:

22-Jan-25

Amber Dilallo

Reviewed by:

On:

27-Jan-25

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 12.9
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☒	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

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

Samples were received on 1/22/25 at 1620 on ice (additional coolers: 12.9, 11.1, 10.1, 6.5 and 10.3C - LTG#5). Additional Nitric Acid (101262) was needed in MW-304, MW-393, MW-393, MW-394, PZ-170, and MW-304 Duplicate upon arrival at the laboratory. pH strip #96651. - JD/amberdilallo - 1/22/2025 4:48:48 PM

Samples were received on 1/23/25 at 1545 on ice [10.3, 9.1 and 12.7C - LTG#5]. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for MW383, MW382, MW375, MW366, MW356 and MW151. pH strip #96651. - JD/amberdilallo - 1/23/2025 4:21:17 PM

Samples were received on 1/24/25 at 1330 on ice [3.9C - LTG#5]. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for MW358R and MW358R Dup. pH strip #96651. - JD/amberdilallo - 1/24/2025 2:29:06 PM

Samples were received on 1/27/25 at 1415 on ice [10.3, 7.5, 9.7, 12.9 and 9.9C - LTG#5]. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for TPZ-164. pH strip #96651. - LH/amberdilallo - 1/27/2025 2:39:40 PM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SQU SQUID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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): 1-22-25					

Added HNO3 (101262)
MW 304, MW 393, MW 394,
PZ170, MW 304 Dup
DU 911
12.9, 11.1, 10.1
6.5, 10.3 #5
JD 1/22/25

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605				
1	MW-350R	WT	G	1-22-25	1338		4	2	2									X	X	X							25010181-017
2	MW-352	WT	G				4	2	2									X	X	X							25010181-018
3	MW-355	WT	G				4	2	2											X							25010181-019
4	MW-356	WT	G				2	1	1									X	X								25010181-020
5	MW-358R	WT	G				2	1	1									X	X	X							25010181-021
6	MW-366	WT	G				2	1	1									X	X								25010181-022
7	MW-369	WT	G				2	1	1									X	X								25010181-023
8	MW-370	WT	G				2	1	1									X	X								25010181-024
9	MW-375	WT	G				2	1	1									X	X								25010181-025
10	MW-377	WT	G				2	1	1									X	X								25010181-026
11	MW-382	WT	G				2	1	1									X	X								25010181-027
12	MW-383	WT	G				2	1	1									X	X								25010181-028
13	MW-384	WT	G				2	1	1									X	X								25010181-029
14	MW-390	WT	G				2	1	1									X	X								25010181-030
15	MW-391R	WT	G	1-22-25	Dry		2	1	1									X	X								25010181-031
16	MW-392	WT	G	1-22-25	1237		2	1	1									X	X								25010181-032
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS															
BAL-25Q1 Rev 0				[Signature] SO		1-22	1620	[Signature] [Name]		1/24/25	1620	> z															

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Inject (Y/N)
PRINT Name of SAMPLER:	DATE Signed (MM/DD/YY):				
SIGNATURE of SAMPLER:					

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Page: 3 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WIPE WP AIR AR OTHER OR TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test#	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605						
1	MW-393		WT	G	1-22-25	1413		2	1	1						X	X												25010181-033
2	MW-394		WT	G	1-22-25	1441		2	1	1						X	X												25010181-034
3	OW-156		WT	G				0																					25010181-035
4	OW-157		WT	G				0																					25010181-036
5	OW-266		WT	G				2	1	1						X	X												25010181-037
6	OW-257		WT	G	1-22-25	0946		2	1	1						X	X												25010181-038
7	PZ-170		WT	G	1-22-25	0914		2	1	1						X	X												25010181-039
8	PZ-182		WT	G				2	1	1						X	X												25010181-040
9	TPZ-164		WT	G				2	1	1						X	X												25010181-041
10	XPW01		WT	G				2	1	1						X	X												25010181-042
11	XPW05		WT	G				2	1	1						X	X												25010181-043
12	XPW06		WT	G				2	1	1						X	X												25010181-044
13	Field Blank		WT	G				4	2	2						X	X	X	X	X	X								25010181-045
14	MW-104DR Duplicate		WT	G	1/22/25	1435		4	2	2																			25010181-046
15	MW-198 Duplicate		WT	G				3	1	2																			25010181-047
16	MW-304 Duplicate		WT	G	1/22/25	1332		4	2	2						X	X	X	X		X								25010181-048
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																
BAL-25Q1 Rev 0			[Signature]			1-22	1630	[Signature]			1/22/15	1620																	

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 Glop					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 1-22-25				

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Section C
Invoice Information:

Page: 4 of 4

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: <i>Justin Cole</i>	DATE Signed (MM/DD/YYYY): 1-22-25				

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Page: 1 of 4

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 1-23-25				

PH96651 10.3, 9.1, 12.7 #5 Ice

Added HNO₃ (101242)
MW 383, MW 382, MW 375
... 21 ... 25 ... MW 151

JD
1/23/28

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Page: 2 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp	
Baldwin, IL 62217				Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:	

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLUSOLID SL OIL OL WIPE WIP AIR AR OTHER OT TISSUE TS						Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other		BAL-257-601 BAL-257-605 BAL-845-601 BAL-845-605 BAL-NE-605 BAL-WPCP-605											
1	MW-350R	WT	G				4	2	2		X										25010181-017
2	MW-352	WT	G				4	2	2		X										25010181-018
3	MW-355	WT	G	1-23-25	1110		4	2	2												25010181-019
4	MW-356	WT	G	1-23-25	1147		2	1	1		X		X								25010181-020
5	MW-358R	WT	G				2	1	1		X	X	X	X							25010181-021
6	MW-366	WT	G	1-23-25	1005		2	1	1		X		X								25010181-022
7	MW-369	WT	G	1-23-25	1344		2	1	1		X		X								25010181-023
8	MW-370	WT	G	1-23-25	1470		2	1	1		X		X								25010181-024
9	MW-375	WT	G	1-23-25	1052		2	1	1			X		X							25010181-025
10	MW-377	WT	G	1-23-25	1304		2	1	1			X		X							25010181-026
11	MW-382	WT	G	1-23-25	1223		2	1	1		X		X								25010181-027
12	MW-383	WT	G	1-23-25	1229		2	1	1			X		X							25010181-028
13	MW-384	WT	G	1-23-25	1155		2	1	1			X		X							25010181-029
14	MW-390	WT	G	1-23-25	0924		2	1	1			X		X							25010181-030
15	MW-391R	WT	G				2	1	1			X		X							25010181-031
16	MW-392	WT	G				2	1	1		X		X								25010181-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
BAL-25Q1 Rev 0	<i>SO</i>	1-23	1545	<i>Ung. Wall</i>	1/23/25	1545	Y	Z	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: <i>JUSTIN GLO</i>		DATE Signed (MM/DD/YY): <i>1-23-25</i>	
SIGNATURE of SAMPLER: <i>Justin Glo</i>			

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

Samples	(N/A) (Y/N)
1	Y
2	Y
3	Y
4	Y
5	Y
6	Y
7	Y
8	Y
9	Y
10	Y
11	Y
12	Y
13	Y
14	Y
15	Y
16	Y
17	Y
18	Y
19	Y
20	Y
21	Y
22	Y
23	Y
24	Y
25	Y
26	Y
27	Y
28	Y
29	Y
30	Y
31	Y
32	Y
33	Y
34	Y
35	Y
36	Y
37	Y
38	Y
39	Y
40	Y
41	Y
42	Y
43	Y
44	Y
45	Y
46	Y
47	Y
48	Y
49	Y
50	Y
51	Y
52	Y
53	Y
54	Y
55	Y
56	Y
57	Y
58	Y
59	Y
60	Y
61	Y
62	Y
63	Y
64	Y
65	Y
66	Y
67	Y
68	Y
69	Y
70	Y
71	Y
72	Y
73	Y
74	Y
75	Y
76	Y
77	Y
78	Y
79	Y
80	Y
81	Y
82	Y
83	Y
84	Y
85	Y
86	Y
87	Y
88	Y
89	Y
90	Y
91	Y
92	Y
93	Y
94	Y
95	Y
96	Y
97	Y
98	Y
99	Y
100	Y

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Required Client Information:

Required Project Information:

Invoice Information:

Page: 1 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 10901 Baldwin Road		Copy To: Kim Edmiston Kimberly.Edmiston@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Baldwin, IL 62217			Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:	IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OR TISSE TS	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.					
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605										
1	MW-104DR		WT	G				4	2	2																		25010181-001					
2	MW-104SR		WT	G				4	2	2																		25010181-002					
3	MW-150		WT	G				4	2	2																		25010181-003					
4	MW-151		WT	G				4	2	2																		25010181-004					
5	MW-152		WT	G	1-27-25	1046		4	2	2																		25010181-005					
6	MW-153		WT	G				4	2	2																		25010181-006					
7	MW-154		WT	G				4	2	2																		25010181-007					
8	MW-155		WT	G				4	2	2																		25010181-008					
9	MW-192		WT	G				2	1	1																		25010181-009					
10	MW-193		WT	G				2	1	1																		25010181-010					
11	MW-196		WT	G	1-27-25	1026		3	1	2																		25010181-011					
12	MW-197		WT	G	1-27-25	1054		3	1	2																		25010181-012					
13	MW-198		WT	G	1-27-25	0951		3	1	2																		25010181-013					
14	MW-252		WT	G	1-27-25	1016		4	2	2																		25010181-014					
15	MW-253R		WT	G				4	2	2																		25010181-015					
16	MW-304		WT	G				4	2	2																		25010181-016					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																				
BAL-25Q1 Rev 0			[Signature]			1-27	1415	[Signature]			1/27/25	1415	> <																				

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:	DATE Signed (MM/DD/YY): 1-27-75				

PHV 96651

added HMO3(101262) to TP2164

U# 1/27/25

Temp UG9

10.3

7.5
0.2

12, 9

22

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OF TISSUE TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
											DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃		Methanol	Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-25Q1 Rev 0		<i>[Signature]</i>		1-27	1415	<i>[Signature]</i>		1-27	1415	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:	<i>Justin Cole</i>
SIGNATURE of SAMPLER:	<i>[Signature]</i>
DATE Signed (MM/DD/YY):	1-27-25

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OF TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin G. [Signature]		DATE Signed (MM/DD/YY): 1-27-25	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

February 26, 2025

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



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

RE: BAL-25Q1

WorkOrder: 25010182

Dear Eric Bauer:

TEKLAB, INC received 41 samples on 1/27/2025 2:15:00 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,



Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com



Report Contents

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

Client: Ramboll

Work Order: 25010182

Client Project: BAL-25Q1

Report Date: 26-Feb-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	44
Receiving Check List	46
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 25010182**Client Project:** BAL-25Q1**Report Date:** 26-Feb-25

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 25010182

Client Project: BAL-25Q1

Report Date: 26-Feb-25

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 25010182

Client Project: BAL-25Q1

Report Date: 26-Feb-25

Cooler Receipt Temp: 12.9 °C

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

MW-391R was dry.

Equipment Blanks were not needed.

MW-150, MW-152 and MW-370 collection times per field file. FB/EAH 1/31/25

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

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 25010182

Client Project: BAL-25Q1

Report Date: 26-Feb-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-001
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-150
Collection Date: 01/22/2025 14:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:45	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-002
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-151
Collection Date: 01/23/2025 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:45	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-003
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-152
Collection Date: 01/27/2025 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:45	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-004
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-153
Collection Date: 01/23/2025 10:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:45	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-005
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-192
Collection Date: 01/22/2025 13:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:46	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-006
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-193
Collection Date: 01/22/2025 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:45	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-007
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-196
Collection Date: 01/27/2025 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:45	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-008
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-197
Collection Date: 01/27/2025 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:44	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-009
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-198
Collection Date: 01/27/2025 9:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:47	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-010
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-252
Collection Date: 01/27/2025 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:47	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-011
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-253R
Collection Date: 01/23/2025 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:47	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-012
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-304
Collection Date: 01/22/2025 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:47	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-013
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-350R
Collection Date: 01/22/2025 13:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:47	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-014
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-352
Collection Date: 01/27/2025 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:47	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-015
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-356
Collection Date: 01/23/2025 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-016
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-358R
Collection Date: 01/24/2025 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-017
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-366
Collection Date: 01/23/2025 10:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 14:51	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-018
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-369
Collection Date: 01/23/2025 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-019
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-370
Collection Date: 01/23/2025 14:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/14/2025 11:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-020
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-375
Collection Date: 01/23/2025 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-021
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-377
Collection Date: 01/23/2025 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	02/17/2025 12:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-022
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-382
Collection Date: 01/23/2025 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	02/17/2025 12:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-023
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-383
Collection Date: 01/23/2025 12:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:48	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-024
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-384
Collection Date: 01/23/2025 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-025
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-390
Collection Date: 01/23/2025 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	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-027
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-392
Collection Date: 01/22/2025 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-028
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-393
Collection Date: 01/22/2025 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-029
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-394
Collection Date: 01/22/2025 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-030
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: OW-256
Collection Date: 01/27/2025 11:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-031
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: OW-257
Collection Date: 01/22/2025 9:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-032
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: PZ-170
Collection Date: 01/22/2025 9:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-033
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: PZ-182
Collection Date: 01/27/2025 12:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-034
Matrix: AQUEOUS

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: Field Blank
Collection Date: 01/27/2025 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:49	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-035
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-198 Duplicate
Collection Date: 01/27/2025 9:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:44	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-036
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-304 Duplicate
Collection Date: 01/22/2025 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:44	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-037
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-358R Duplicate
Collection Date: 01/24/2025 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:44	R360651



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-25Q1
Lab ID: 25010182-038
Matrix: GROUNDWATER

Work Order: 25010182
Report Date: 26-Feb-25
Client Sample ID: MW-392 Duplicate
Collection Date: 01/22/2025 12:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	02/17/2025 12:44	R360651



Sample Summary

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

Client: Ramboll
Client Project: BAL-25Q1

Work Order: 25010182
Report Date: 26-Feb-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25010182-001	MW-150	Groundwater	1	01/22/2025 14:24
25010182-002	MW-151	Groundwater	1	01/23/2025 13:27
25010182-003	MW-152	Groundwater	1	01/27/2025 10:42
25010182-004	MW-153	Groundwater	1	01/23/2025 10:07
25010182-005	MW-192	Groundwater	1	01/22/2025 13:10
25010182-006	MW-193	Groundwater	1	01/22/2025 13:49
25010182-007	MW-196	Groundwater	1	01/27/2025 10:26
25010182-008	MW-197	Groundwater	1	01/27/2025 10:54
25010182-009	MW-198	Groundwater	1	01/27/2025 9:51
25010182-010	MW-252	Groundwater	1	01/27/2025 10:16
25010182-011	MW-253R	Groundwater	1	01/23/2025 10:36
25010182-012	MW-304	Groundwater	1	01/22/2025 13:32
25010182-013	MW-350R	Groundwater	1	01/22/2025 13:38
25010182-014	MW-352	Groundwater	1	01/27/2025 9:55
25010182-015	MW-356	Groundwater	1	01/23/2025 11:47
25010182-016	MW-358R	Groundwater	1	01/24/2025 11:34
25010182-017	MW-366	Groundwater	1	01/23/2025 10:05
25010182-018	MW-369	Groundwater	1	01/23/2025 13:44
25010182-019	MW-370	Groundwater	1	01/23/2025 14:17
25010182-020	MW-375	Groundwater	1	01/23/2025 10:52
25010182-021	MW-377	Groundwater	1	01/23/2025 13:04
25010182-022	MW-382	Groundwater	1	01/23/2025 12:23
25010182-023	MW-383	Groundwater	1	01/23/2025 12:29
25010182-024	MW-384	Groundwater	1	01/23/2025 11:55
25010182-025	MW-390	Groundwater	1	01/23/2025 9:24
25010182-026	MW-391R	Groundwater	1	01/22/2025 0:00
25010182-027	MW-392	Groundwater	1	01/22/2025 12:37
25010182-028	MW-393	Groundwater	1	01/22/2025 14:13
25010182-029	MW-394	Groundwater	1	01/22/2025 14:41
25010182-030	OW-256	Groundwater	1	01/27/2025 11:19
25010182-031	OW-257	Groundwater	1	01/22/2025 9:46
25010182-032	PZ-170	Groundwater	1	01/22/2025 9:14
25010182-033	PZ-182	Groundwater	1	01/27/2025 12:02
25010182-034	Field Blank	Aqueous	1	01/27/2025 13:00
25010182-035	MW-198 Duplicate	Groundwater	1	01/27/2025 9:51
25010182-036	MW-304 Duplicate	Groundwater	1	01/22/2025 13:32
25010182-037	MW-358R Duplicate	Groundwater	1	01/24/2025 11:34
25010182-038	MW-392 Duplicate	Groundwater	1	01/22/2025 12:37
25010182-039	Equipment Blank 1	Aqueous	1	



Sample Summary

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

Client: Ramboll
Client Project: BAL-25Q1

Work Order: 25010182
Report Date: 26-Feb-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25010182-040	Equipment Blank 2	Aqueous	1	
25010182-041	Equipment Blank 3	Aqueous	1	



Receiving Check List

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

Client: Ramboll

Work Order: 25010182

Client Project: BAL-25Q1

Report Date: 26-Feb-25

Carrier: Justin Colp

Received By: AMD

Completed by:

On:

22-Jan-25

Laura E Henson

Reviewed by:

On:

27-Jan-25

Ellie Hopkins

Pages to follow:

Chain of custody

11

Extra pages included

48

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 12.9
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

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

pH strip #96651. - lhenson - 1/22/2025 4:42:30 PM

Additional nitric acid (101262) was needed in MW-304, MW-393, MW-394, OW-257, PZ-170, and MW-304 Duplicate upon arrival at the laboratory. - lhenson - 1/22/2025 4:42:32 PM

Cooler #2 - 11.1C - LTG #5, Cooler #3 - 10.1C - LTG #5, Cooler #4 - 6.5C - LTG #5, Cooler #5 - 10.3C - LTG #5. - LH/ehurley - 1/22/2025 4:57:43 PM

Samples were received on 1/23/25 at 1545 on ice [10.3, 9.1 and 12.7C - LTG#5]. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for MW-369, MW-375, MW-382 and MW-384. pH strip #96651. - CF/amberdilallo - 1/23/2025 4:28:35 PM

Samples were received on 1/24/25 at 1330 on ice [3.9C - LTG#5]. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for MW358R and MW358R Dup. pH strip #96651. - JD/amberdilallo - 1/24/2025 2:32:44 PM

Samples were received on 1/27/25 at 1415 on ice [10.3, 7.5, 9.7, 12.9 and 9.9C - LTG#]. Additional Nitric Acid (101262) was needed upon arrival at the laboratory for MW-152, MW-196, MW-197, MW-198, MW-252, MW-352, PZ-182 and MW-198 Duplicate. pH strip #96651. - LH/amberdilallo - 1/27/2025 2:37:17 PM

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

Page: 1 of 4

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OR TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)		Project No. / Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605											
1	MW-104DR		WT	G	1-22-25	1435		0																								N/A		
2	MW-104SR		WT	G				0																								N/A		
3	MW-150		WT	G	1-22-25	1425		2		2																						25010182-001		
4	MW-151		WT	G				2		2																						25010182-002		
5	MW-152		WT	G				2		2																						25010182-003		
6	MW-153		WT	G				2		2																						25010182-004		
7	MW-154		WT	G	1-22-25	1129		0																								N/A		
8	MW-155		WT	G	1-22-25	0824		0																								N/A		
9	MW-192		WT	G	1-22-25	1310		2		2																						25010182-005		
10	MW-193		WT	G	1-22-25	1349		2		2																						25010182-006		
11	MW-196		WT	G				2		2																						25010182-007		
12	MW-197		WT	G				2		2																						25010182-008		
13	MW-198		WT	G				2		2																						25010182-009		
14	MW-252		WT	G				2		2																						25010182-010		
15	MW-253R		WT	G				2		2																						25010182-011		
16	MW-304		WT	G	1-22-25	1332		2		2																						25010182-012		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION								DATE	TIME	SAMPLE CONDITIONS														
BAL-25Q1 Rev 0					21 SO			1-22	1620	[Signature]								1/22/25	1620	> z X														

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRNT Name of SAMPLER:	Justin Gop				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 1-22-25				

PHV 96651
* added HNO₃ (101262)
LA 1/2/25

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

Invoice information:

Page: 2 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217			Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:	IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WIPE WP AIR AR OTHER OR Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test#	Requested Analysis Filtered (Y/N)										Ra226/228, only											
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol		Other	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605														Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	MW-350R		WT	G	1-22-85	1338		2		2							X		X	X														25010182-013				
2	MW-352		WT	G				2		2							X		X	X														25010182-014				
3	MW-355		WT	G				0												X													N/A					
4	MW-356		WT	G				2		2							X		X														25010182-015					
5	MW-358R		WT	G				2		2							X	X	X	X													25010182-016					
6	MW-366		WT	G				2		2								X		X													25010182-017					
7	MW-369		WT	G				2		2							X		X														25010182-018					
8	MW-370		WT	G				2		2							X		X														25010182-019					
9	MW-375		WT	G				2		2								X		X													25010182-020					
10	MW-377		WT	G				2		2								X		X													25010182-021					
11	MW-382		WT	G				2		2							X		X														25010182-022					
12	MW-383		WT	G				2		2								X		X													25010182-023					
13	MW-384		WT	G				2		2								X		X													25010182-024					
14	MW-390		WT	G				2		2								X		X													25010182-025					
15	MW-391R		WT	G	1-22-85	ORV		2		2								X		X													25010182-026					
16	MW-392		WT	G	1-22-85	1237		2		2							X		X														25010182-027					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																									
BAL-25Q1 Rev 0																																						

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 Coir					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-22-25				

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

Page: 3 of 4

Requested Analysis Filtered (Y/N)BAL-25Q1 Rev 0

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Justin Gap SIGNATURE of SAMPLER: <i>Justin Gap</i>		DATE Signed (MM/DD/YY): 1-27-05	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples intact (Y/N)

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

Section C
Invoice Information:

Page: 4 of 4

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217			Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number:	Profile #:	STATE:	IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OR TISSUE TS	<u>CODE</u>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Y/N	Residual Chlorine (Y/N)	Project No./ Lab I.D.										
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol	Other														
1	MW-358R Duplicate	WT	G				2		2							X	BAL-257-601	X	BAL-257-605	X	BAL-845-601	X	BAL-845-605	X	BAL-NE-605	X	BAL-WPCP-605		25010182-037
2	MW-392 Duplicate	WT	G		1-22-25	1237	2		2							X		X		X								25010182-038	
3	Equipment Blank 1	WT	G				2		2							X	X	X	X	X	X							25010182-039	
4	Equipment Blank 2	WT	G				2		2							X	X	X	X	X	X							25010182-040	
5	Equipment Blank 3	WT	G				2		2							X	X	X	X	X	X							25010182-041	
6																													
7																													
8																													
9																													
10																													
11																													
12																													
13																													
14																													
15																													
16																													
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS															
BAL-25Q1 Rev 0		[Signature]		1-22		1620		[Signature]		1/22/25		1620		> z															

SAMPLER NAME AND SIGNATURE		Temp in °C	Revised 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): 1-27-25				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:		UST RCRA OTHER	
						STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Ra226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-25Q1 Rev 0		2-1 SO		1-23	1545	[Signature]		1/23/25	1315	Y N			
SAMPLER NAME AND SIGNATURE													
PRINT Name of SAMPLER: Justin Cole													
SIGNATURE of SAMPLER: [Signature]													
DATE Signed (MM/DD/YY): 1-23-25													

10.8, 9.1, 12.7 # 5 ice ✓
PHV96651
* added #103-101262 1/23/25 CP

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

Page: 2 of 4

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Alp</i> SIGNATURE of SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): <i>1-23-75</i>					

1/24/25

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

25010182

BAL 845-601

Page: 2 of 4

REGULATORY AGENCYRequested Analysis Filtered (Y/N)

Ra226/228, only

Project No./ Lab I.D.

25010182-013

25010182-014

N/A

25010182-015

25010182-016

25010182-017

25010182-018

25010182-019

23010702-020

25010102-021
25010102-022

05040400 000

25040482 034

25010182-025

25010182-026

25010182-027

SAMPLE CONDITIONS

Y	Z
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(N)

000		Cust alac	(Y)
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	5	
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SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
{MM/DD/YY}:

Temp in °C

Received on

Custody

(Y/N)

Contact (Y/N)

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

Page: 4 of 4

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1/24/25				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL Q WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Ra226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-25Q1 Rev 0		[Signature]		1-27	1415	[Signature]		1-27	1415	Temp in °C Received on Ice (Y/N) Cooled (Y/N) Sealed Cooler (Y/N) Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Justin Galt	DATE Signed (MM/DD/YY): 1-27-25
SIGNATURE of SAMPLER: [Signature]	

PHV 96651
Added HNO₃ (101262) 1/27/25

Temp 47.5
10.3
7.5
9.7
12.9
11.1

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
BAL-25Q1 Rev 0		2180		1-27	1415	Justin Gelp		1/27/25	1415				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp													
SIGNATURE of SAMPLER: [Signature]													
DATE Signed (MM/DD/YY): 1-27-25													

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 4	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 10901 Baldwin Road		Copy To: Kim Edmiaston Kimberly.Edmiaston@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER OW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Ra226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-NE-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Cap		DATE Signed (MM/DD/YY): 1-27-25	
SIGNATURE of SAMPLER: Justin Cap			

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/21/2025 3:47:40 PM

JOB DESCRIPTION

Radium-226 and Radium-228
25010182

JOB NUMBER

160-57034-1

Job Notes

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

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

Authorization



Generated
2/21/2025 3:47:40 PM

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

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QC Sample Results	42
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Tracer Carrier Summary	47



Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-57034-1

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

Job ID: 160-57034-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 25010182

Report Number: 160-57034-1

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

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

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

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

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

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

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

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

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

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

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

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

Receipt

The samples were received on 1/28/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 4 coolers at receipt time were 13.7°C, 17.6°C, 18.1°C and 18.3°C.

Receipt Exceptions

The client requested an update to sample collection times. 25010182-003 should be reported as collected at 1042, rather than 1046. 25010182-001 collection time from 1425 to 1424. 25010182-019 collection time from 1420 to 1417. The email requests will be included in the final report for documentation purposes.

Method 903.0 - Radium-226 (GFPC)

Samples 25010182-001 (160-57034-1), 25010182-002 (160-57034-2), 25010182-003 (160-57034-3), 25010182-004 (160-57034-4), 25010182-005 (160-57034-5), 25010182-006 (160-57034-6), 25010182-007 (160-57034-7), 25010182-008 (160-57034-8), 25010182-009 (160-57034-9), 25010182-010 (160-57034-10), 25010182-011 (160-57034-11), 25010182-012 (160-57034-12), 25010182-013 (160-57034-13), 25010182-014 (160-57034-14), 25010182-015 (160-57034-15), 25010182-016 (160-57034-16), 25010182-017 (160-57034-17), 25010182-018 (160-57034-18), 25010182-019 (160-57034-19), 25010182-020 (160-57034-20), 25010182-021 (160-57034-21), 25010182-022 (160-57034-22), 25010182-023 (160-57034-23), 25010182-024

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-57034-1

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

Job ID: 160-57034-1 (Continued)

Eurofins St. Louis

(160-57034-24), 25010182-025 (160-57034-25), 25010182-027 (160-57034-26), 25010182-028 (160-57034-27), 25010182-029 (160-57034-28), 25010182-030 (160-57034-29), 25010182-031 (160-57034-30), 25010182-032 (160-57034-31), 25010182-033 (160-57034-32), 25010182-034 (160-57034-33), 25010182-035 (160-57034-34), 25010182-036 (160-57034-35), 25010182-037 (160-57034-36) and 25010182-038 (160-57034-37) were analyzed for Radium-226 (GFPC). The samples were prepared on 1/30/2025 and analyzed on 2/21/2025.

Method 904.0 - Radium-228 (GFPC)

Samples 25010182-001 (160-57034-1), 25010182-002 (160-57034-2), 25010182-003 (160-57034-3), 25010182-004 (160-57034-4), 25010182-005 (160-57034-5), 25010182-006 (160-57034-6), 25010182-007 (160-57034-7), 25010182-008 (160-57034-8), 25010182-009 (160-57034-9), 25010182-010 (160-57034-10), 25010182-011 (160-57034-11), 25010182-012 (160-57034-12), 25010182-013 (160-57034-13), 25010182-014 (160-57034-14), 25010182-015 (160-57034-15), 25010182-016 (160-57034-16), 25010182-017 (160-57034-17), 25010182-018 (160-57034-18), 25010182-019 (160-57034-19), 25010182-020 (160-57034-20), 25010182-021 (160-57034-21), 25010182-022 (160-57034-22), 25010182-023 (160-57034-23), 25010182-024 (160-57034-24), 25010182-025 (160-57034-25), 25010182-027 (160-57034-26), 25010182-028 (160-57034-27), 25010182-029 (160-57034-28), 25010182-030 (160-57034-29), 25010182-031 (160-57034-30), 25010182-032 (160-57034-31), 25010182-033 (160-57034-32), 25010182-034 (160-57034-33), 25010182-035 (160-57034-34), 25010182-036 (160-57034-35), 25010182-037 (160-57034-36) and 25010182-038 (160-57034-37) were analyzed for Radium-228 (GFPC). The samples were prepared on 1/30/2025 and analyzed on 2/14/2025 and 2/17/2025.

Batch 160-700524:

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences: 25010182-002 (160-57034-2), 25010182-004 (160-57034-4), 25010182-007 (160-57034-7) and 25010182-011 (160-57034-11)

Batch 160-700527:

The detection goal was not met for the following sample due to the reduced sample volume performed in prep attributed to the presence of matrix interferences: 25010182-022 (160-57034-22). Analytical results are reported with the detection limit achieved.

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

Samples 25010182-001 (160-57034-1), 25010182-002 (160-57034-2), 25010182-003 (160-57034-3), 25010182-004 (160-57034-4), 25010182-005 (160-57034-5), 25010182-006 (160-57034-6), 25010182-007 (160-57034-7), 25010182-008 (160-57034-8), 25010182-009 (160-57034-9), 25010182-010 (160-57034-10), 25010182-011 (160-57034-11), 25010182-012 (160-57034-12), 25010182-013 (160-57034-13), 25010182-014 (160-57034-14), 25010182-015 (160-57034-15), 25010182-016 (160-57034-16), 25010182-017 (160-57034-17), 25010182-018 (160-57034-18), 25010182-019 (160-57034-19), 25010182-020 (160-57034-20), 25010182-021 (160-57034-21), 25010182-022 (160-57034-22), 25010182-023 (160-57034-23), 25010182-024 (160-57034-24), 25010182-025 (160-57034-25), 25010182-027 (160-57034-26), 25010182-028 (160-57034-27), 25010182-029 (160-57034-28), 25010182-030 (160-57034-29), 25010182-031 (160-57034-30), 25010182-032 (160-57034-31), 25010182-033 (160-57034-32), 25010182-034 (160-57034-33), 25010182-035 (160-57034-34), 25010182-036 (160-57034-35), 25010182-037 (160-57034-36) and 25010182-038 (160-57034-37) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 2/21/2025.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab SamplerQC Level: 2

Project#

25010182

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO:

37815

Phone: (618) 344-1004 ext 33

Comments: **Please Issue reports and invoices via email only**

Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.

Method changes require Teklab authorization. Samples collected from an IL site.

Batch QC is required for all analyses requested. Vistra-EDD requested.

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
	25010182-001	1/22/25 1425	HNO3	Groundwater
	25010182-002	1/23/25 1327	HNO3	Groundwater
	25010182-003	1/27/25 1046	HNO3	Groundwater
	25010182-004	1/23/25 1007	HNO3	Groundwater
	25010182-005	1/22/25 1310	HNO3	Groundwater
	25010182-006	1/22/25 1349	HNO3	Groundwater
	25010182-007	1/27/25 1026	HNO3	Groundwater
	25010182-008	1/27/25 1054	HNO3	Groundwater
	25010182-009	1/27/25 0951	HNO3	Groundwater
	25010182-010	1/27/25 1016	HNO3	Groundwater
	25010182-011	1/23/25 1036	HNO3	Groundwater

Ra226/228 ☒ Radium 226 ☒ Radium 228 ☒



160-57034-01 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	1/27/25 0910	<i>[Signature]</i>	1/28/25 0943
	1/28/25 1030	<i>Sina Washington</i>	1/28/25 1050

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)

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

SubCocRe-A
3/2/2016

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 SamplerQC Level: 2

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.

Method changes require Teklab authorization. Samples collected from an IL site.

Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 25010182

Contact: Elizabeth Hurley
ehurley@tekiabinc.com

Contact:	Elizabeth Hurley
Requested Due Date:	Standard TAT

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
	25010182-023	1/23/25 1229	HNO3	Groundwater
	25010182-024	1/23/25 1155	HNO3	Groundwater
	25010182-025	1/23/25 0924	HNO3	Groundwater
	25010182-026	Dry	HNO3	Groundwater
	25010182-027	1/22/25 1237	HNO3	Groundwater
	25010182-028	1/22/25 1413	HNO3	Groundwater
	25010182-029	1/22/25 1441	HNO3	Groundwater
	25010182-030	1/27/25 1119	HNO3	Groundwater
	25010182-031	1/22/25 0946	HNO3	Groundwater
	25010182-032	1/22/25 0914	HNO3	Groundwater
	25010182-033	1/27/25 1202	HNO3	Groundwater

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

*Relinquished By:	Date/Time	Received By	Date/Time
Mary Galloway	11/28/15 0915		11/28/15 0915
	11/28/15 1030	Sara Worthington	11/28/15 1030

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

Teklab Inc

Are the samples chilled?	YES	NO
	☐	☒

Teklab Sampler

Comments: Please Issue reports and invoices via email only

Method changes require Teklab authorization. Samples collected from an IL site.

Batch QC is required for all analyses requested. Vistra-EDD requested.

25010182

Email:

37815

Phone: (618) 344-1004 ext 33

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

[illegible]

*Relinquished By	Date/Time	Received By	Date/Time
Sharon Givens	1/28/25 0915	[Signature]	1/28/25 0915
	1/28/25 1030	Sierra Worthington	1/28/25 1030

Erika Smith

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Friday, January 31, 2025 11:05 AM
To: Rico Padilla
Cc: Erika Smith
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-57034-1 Radium-226 and Radium-228

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

Please also update 25010182-001 collection time from 1425 to 1424 (per field file). Thanks!

Have a great day!

Elizabeth Hurley
Director of Customer Service



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

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From: Elizabeth A. Hurley
Sent: Friday, January 31, 2025 10:55 AM
To: 'Rico.Padilla@et.eurofinsus.com' <Rico.Padilla@et.eurofinsus.com>
Cc: Erika Smith <Erika.Smith@et.eurofinsus.com>
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-57034-1 Radium-226 and Radium-228

Thanks, Rico.

The field team identified a transcription error. 25010182-003 should be reported as collected at 1042 rather than 1046. Please update as needed prior to final reporting.

Best,

Elizabeth Hurley
Director of Customer Service



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Collinsville, IL 62234
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From: Rico Padilla <TALS@reports.et.eurofinsus.com>
Sent: Wednesday, January 29, 2025 11:26 AM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Cc: Erika Smith <Erika.Smith@et.eurofinsus.com>
Subject: Eurofins TestAmerica sample confirmation files from 160-57034-1 Radium-226 and Radium-228

Hello,

Attached, please find the sample confirmation files for job 160-57034-1; Radium-226 and Radium-228.

The samples were received on 1/28/2025 10:30 AM.

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

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

Please feel free to contact me or your PM, Erika Smith, if you have any questions.

Thank you,

Rico Padilla

Project Manager Assistant

Eurofins St. Louis

E-mail: Rico.Padilla@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-321931]
Attachments: 1

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

Erika Smith

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Friday, January 31, 2025 11:09 AM
To: Rico Padilla
Cc: Erika Smith
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-57034-1 Radium-226 and Radium-228

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Please also correct 25010182-019 collection time from 1420 to 1417 (per field file). All others have been confirmed.

Thanks, again.

Have a great day!

Elizabeth Hurley
Director of Customer Service



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5445 Horseshoe Lake Road
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Cc: 'Erika Smith' <Erika.Smith@et.eurofinsus.com>
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-57034-1 Radium-226 and Radium-228

Please also update 25010182-001 collection time from 1425 to 1424 (per field file). Thanks!

Have a great day!

Elizabeth Hurley
Director of Customer Service



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To: 'Rico.Padilla@et.eurofinsus.com' <Rico.Padilla@et.eurofinsus.com>
Cc: Erika Smith <Erika.Smith@et.eurofinsus.com>
Subject: RE: Eurofins TestAmerica sample confirmation files from 160-57034-1 Radium-226 and Radium-228

Thanks, Rico.

The field team identified a transcription error. 25010182-003 should be reported as collected at 1042 rather than 1046. Please update as needed prior to final reporting.

Best,

Elizabeth Hurley
Director of Customer Service



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Rico Padilla
Project Manager Assistant

Eurofins St. Louis

E-mail: Rico.Padilla@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-321931]
Attachments: 1

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

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Erika Smith

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Friday, January 31, 2025 10:55 AM
To: Rico Padilla
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Elizabeth Hurley
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Thank you,

Rico Padilla
Project Manager Assistant

Eurofins St. Louis

E-mail: Rico.Padilla@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-321931]
Attachments: 1

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

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-57034-1

SDG Number: 25010182

Login Number: 57034

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-57034-1
SDG: 25010182

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

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

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

Protocol References:

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

Laboratory References:

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

Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-57034-1
SDG: 25010182

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57034-1	25010182-001	Water	01/22/25 14:24	01/28/25 10:30
160-57034-2	25010182-002	Water	01/23/25 13:27	01/28/25 10:30
160-57034-3	25010182-003	Water	01/27/25 10:42	01/28/25 10:30
160-57034-4	25010182-004	Water	01/23/25 10:07	01/28/25 10:30
160-57034-5	25010182-005	Water	01/22/25 13:10	01/28/25 10:30
160-57034-6	25010182-006	Water	01/22/25 13:49	01/28/25 10:30
160-57034-7	25010182-007	Water	01/27/25 10:26	01/28/25 10:30
160-57034-8	25010182-008	Water	01/27/25 10:54	01/28/25 10:30
160-57034-9	25010182-009	Water	01/27/25 09:51	01/28/25 10:30
160-57034-10	25010182-010	Water	01/27/25 10:16	01/28/25 10:30
160-57034-11	25010182-011	Water	01/23/25 10:36	01/28/25 10:30
160-57034-12	25010182-012	Water	01/22/25 13:32	01/28/25 10:30
160-57034-13	25010182-013	Water	01/22/25 13:38	01/28/25 10:30
160-57034-14	25010182-014	Water	01/27/25 09:55	01/28/25 10:30
160-57034-15	25010182-015	Water	01/23/25 11:47	01/28/25 10:30
160-57034-16	25010182-016	Water	01/24/25 11:34	01/28/25 10:30
160-57034-17	25010182-017	Water	01/23/25 10:05	01/28/25 10:30
160-57034-18	25010182-018	Water	01/23/25 13:44	01/28/25 10:30
160-57034-19	25010182-019	Water	01/23/25 14:17	01/28/25 10:30
160-57034-20	25010182-020	Water	01/23/25 10:52	01/28/25 10:30
160-57034-21	25010182-021	Water	01/23/25 13:04	01/28/25 10:30
160-57034-22	25010182-022	Water	01/23/25 12:23	01/28/25 10:30
160-57034-23	25010182-023	Water	01/23/25 12:29	01/28/25 10:30
160-57034-24	25010182-024	Water	01/23/25 11:55	01/28/25 10:30
160-57034-25	25010182-025	Water	01/23/25 09:24	01/28/25 10:30
160-57034-26	25010182-027	Water	01/22/25 12:37	01/28/25 10:30
160-57034-27	25010182-028	Water	01/22/25 14:13	01/28/25 10:30
160-57034-28	25010182-029	Water	01/22/25 14:41	01/28/25 10:30
160-57034-29	25010182-030	Water	01/27/25 11:19	01/28/25 10:30
160-57034-30	25010182-031	Water	01/22/25 09:46	01/28/25 10:30
160-57034-31	25010182-032	Water	01/22/25 09:14	01/28/25 10:30
160-57034-32	25010182-033	Water	01/27/25 12:02	01/28/25 10:30
160-57034-33	25010182-034	Water	01/27/25 13:00	01/28/25 10:30
160-57034-34	25010182-035	Water	01/27/25 09:51	01/28/25 10:30
160-57034-35	25010182-036	Water	01/22/25 13:32	01/28/25 10:30
160-57034-36	25010182-037	Water	01/24/25 11:34	01/28/25 10:30
160-57034-37	25010182-038	Water	01/22/25 12:37	01/28/25 10:30

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-001

Lab Sample ID: 160-57034-1

Date Collected: 01/22/25 14:24

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.132		0.0891	0.0899	1.00	0.125	pCi/L	01/30/25 07:29	02/21/25 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					01/30/25 07:29	02/21/25 07:20	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	0.0941	U	0.381	0.381	1.00	0.679	pCi/L	01/30/25 07:33	02/14/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					01/30/25 07:33	02/14/25 11:45	1
Y Carrier	80.7		30 - 110					01/30/25 07:33	02/14/25 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	0.226	U	0.391	0.391	5.00	0.679	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-002

Lab Sample ID: 160-57034-2

Date Collected: 01/23/25 13:27

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.220		0.141	0.143	1.00	0.194	pCi/L	01/30/25 07:29	02/21/25 07:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					01/30/25 07:29	02/21/25 07:22	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	0.688	U G	0.683	0.686	1.00	1.10	pCi/L	01/30/25 07:33	02/14/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					01/30/25 07:33	02/14/25 11:45	1
Y Carrier	78.1		30 - 110					01/30/25 07:33	02/14/25 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	0.908	U	0.697	0.701	5.00	1.10	pCi/L		02/21/25 15:13	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-003

Lab Sample ID: 160-57034-3

Date Collected: 01/27/25 10:42

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153	U	0.117	0.118	1.00	0.169	pCi/L	01/30/25 07:29	02/21/25 07:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					01/30/25 07:29	02/21/25 07:22	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	1.07		0.631	0.638	1.00	0.921	pCi/L	01/30/25 07:33	02/14/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					01/30/25 07:33	02/14/25 11:45	1
Y Carrier	83.7		30 - 110					01/30/25 07:33	02/14/25 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	1.23		0.642	0.649	5.00	0.921	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-004

Lab Sample ID: 160-57034-4

Date Collected: 01/23/25 10:07

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.38		0.537	0.578	1.00	0.367	pCi/L	01/30/25 07:29	02/21/25 07:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	47.7		30 - 110					01/30/25 07:29	02/21/25 07:22	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	1.84	U G	1.77	1.78	1.00	2.85	pCi/L	01/30/25 07:33	02/14/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	47.7		30 - 110					01/30/25 07:33	02/14/25 11:45	1
Y Carrier	80.0		30 - 110					01/30/25 07:33	02/14/25 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	4.22		1.85	1.87	5.00	2.85	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-005

Lab Sample ID: 160-57034-5

Date Collected: 01/22/25 13:10

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.101	0.101	1.00	0.146	pCi/L	01/30/25 07:29	02/21/25 07:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.4		30 - 110					01/30/25 07:29	02/21/25 07:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0791	U	0.535	0.535	1.00	0.962	pCi/L	01/30/25 07:33	02/14/25 11:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.4		30 - 110					01/30/25 07:33	02/14/25 11:46	1
Y Carrier	79.3		30 - 110					01/30/25 07:33	02/14/25 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	0.209	U	0.544	0.544	5.00	0.962	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-006

Lab Sample ID: 160-57034-6

Date Collected: 01/22/25 13:49

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.120	U	0.129	0.129	1.00	0.207	pCi/L	01/30/25 07:29	02/21/25 07:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					01/30/25 07:29	02/21/25 07:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.363	U	0.579	0.580	1.00	0.985	pCi/L	01/30/25 07:33	02/14/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					01/30/25 07:33	02/14/25 11:45	1
Y Carrier	78.1		30 - 110					01/30/25 07:33	02/14/25 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	0.483	U	0.593	0.594	5.00	0.985	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-007

Lab Sample ID: 160-57034-7

Date Collected: 01/27/25 10:26

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.174	U	0.129	0.130	1.00	0.186	pCi/L	01/30/25 07:29	02/21/25 07:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.3		30 - 110					01/30/25 07:29	02/21/25 07:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.179	U G	0.629	0.629	1.00	1.12	pCi/L	01/30/25 07:33	02/14/25 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.3		30 - 110					01/30/25 07:33	02/14/25 11:45	1
Y Carrier	73.6		30 - 110					01/30/25 07:33	02/14/25 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	0.353	U	0.642	0.642	5.00	1.12	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-008

Lab Sample ID: 160-57034-8

Date Collected: 01/27/25 10:54

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.145		0.0881	0.0891	1.00	0.113	pCi/L	01/30/25 07:29	02/21/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					01/30/25 07:29	02/21/25 07:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.272	U	0.463	0.464	1.00	0.789	pCi/L	01/30/25 07:33	02/14/25 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					01/30/25 07:33	02/14/25 11:44	1
Y Carrier	77.4		30 - 110					01/30/25 07:33	02/14/25 11:44	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	0.418	U	0.471	0.472	5.00	0.789	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-009

Lab Sample ID: 160-57034-9

Date Collected: 01/27/25 09:51

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.333		0.135	0.139	1.00	0.158	pCi/L	01/30/25 07:29	02/21/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.9		30 - 110					01/30/25 07:29	02/21/25 07:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.772		0.418	0.424	1.00	0.597	pCi/L	01/30/25 07:33	02/14/25 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.9		30 - 110					01/30/25 07:33	02/14/25 11:47	1
Y Carrier	82.6		30 - 110					01/30/25 07:33	02/14/25 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	1.10		0.439	0.446	5.00	0.597	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-010

Lab Sample ID: 160-57034-10

Date Collected: 01/27/25 10:16

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0340	U	0.0903	0.0904	1.00	0.165	pCi/L	01/30/25 07:29	02/21/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110					01/30/25 07:29	02/21/25 07:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.197	U	0.326	0.326	1.00	0.675	pCi/L	01/30/25 07:33	02/14/25 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110					01/30/25 07:33	02/14/25 11:47	1
Y Carrier	77.8		30 - 110					01/30/25 07:33	02/14/25 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	0.0340	U	0.338	0.338	5.00	0.675	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-011

Lab Sample ID: 160-57034-11

Date Collected: 01/23/25 10:36

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.370		0.202	0.205	1.00	0.248	pCi/L	01/30/25 07:29	02/21/25 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					01/30/25 07:29	02/21/25 07:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.620	U G	0.670	0.672	1.00	1.09	pCi/L	01/30/25 07:33	02/14/25 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					01/30/25 07:33	02/14/25 11:47	1
Y Carrier	78.1		30 - 110					01/30/25 07:33	02/14/25 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	0.990	U	0.700	0.703	5.00	1.09	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-012

Lab Sample ID: 160-57034-12

Date Collected: 01/22/25 13:32

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.0865	0.0871	1.00	0.121	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.4		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.277	U	0.487	0.487	1.00	0.834	pCi/L	01/30/25 07:33	02/14/25 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.4		30 - 110					01/30/25 07:33	02/14/25 11:47	1
Y Carrier	72.1		30 - 110					01/30/25 07:33	02/14/25 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	0.387	U	0.495	0.495	5.00	0.834	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-013

Lab Sample ID: 160-57034-13

Date Collected: 01/22/25 13:38

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.413		0.157	0.161	1.00	0.149	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.267	U	0.498	0.499	1.00	0.862	pCi/L	01/30/25 07:33	02/14/25 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/30/25 07:33	02/14/25 11:47	1
Y Carrier	75.5		30 - 110					01/30/25 07:33	02/14/25 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	0.680	U	0.522	0.524	5.00	0.862	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-014

Lab Sample ID: 160-57034-14

Date Collected: 01/27/25 09:55

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.379		0.131	0.136	1.00	0.113	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.0		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.307	U	0.442	0.443	1.00	0.745	pCi/L	01/30/25 07:33	02/14/25 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.0		30 - 110					01/30/25 07:33	02/14/25 11:47	1
Y Carrier	76.6		30 - 110					01/30/25 07:33	02/14/25 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	0.686	U	0.461	0.463	5.00	0.745	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-015

Lab Sample ID: 160-57034-15

Date Collected: 01/23/25 11:47

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.213		0.112	0.114	1.00	0.143	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.806		0.406	0.413	1.00	0.557	pCi/L	01/30/25 07:33	02/14/25 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					01/30/25 07:33	02/14/25 11:48	1
Y Carrier	76.3		30 - 110					01/30/25 07:33	02/14/25 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	1.02		0.421	0.428	5.00	0.557	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-016

Lab Sample ID: 160-57034-16

Date Collected: 01/24/25 11:34

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.353		0.139	0.143	1.00	0.139	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0772	U	0.435	0.435	1.00	0.787	pCi/L	01/30/25 07:33	02/14/25 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					01/30/25 07:33	02/14/25 11:48	1
Y Carrier	80.0		30 - 110					01/30/25 07:33	02/14/25 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	0.431	U	0.457	0.458	5.00	0.787	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-017

Lab Sample ID: 160-57034-17

Date Collected: 01/23/25 10:05

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.398		0.135	0.139	1.00	0.134	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.369	U	0.522	0.523	1.00	0.878	pCi/L	01/30/25 07:33	02/14/25 14:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					01/30/25 07:33	02/14/25 14:51	1
Y Carrier	80.0		30 - 110					01/30/25 07:33	02/14/25 14:51	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.767	U	0.539	0.541	5.00	0.878	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-018

Lab Sample ID: 160-57034-18

Date Collected: 01/23/25 13:44

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.300		0.170	0.172	1.00	0.234	pCi/L	01/30/25 07:29	02/21/25 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/30/25 07:29	02/21/25 07:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.472	U	0.510	0.511	1.00	0.830	pCi/L	01/30/25 07:33	02/14/25 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/30/25 07:33	02/14/25 11:48	1
Y Carrier	79.3		30 - 110					01/30/25 07:33	02/14/25 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	0.772	U	0.538	0.539	5.00	0.830	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-019

Lab Sample ID: 160-57034-19

Date Collected: 01/23/25 14:17

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.375		0.132	0.136	1.00	0.125	pCi/L	01/30/25 07:29	02/21/25 09:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.3		30 - 110					01/30/25 07:29	02/21/25 09:24	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	0.639	U	0.461	0.465	1.00	0.696	pCi/L	01/30/25 07:33	02/14/25 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.3		30 - 110					01/30/25 07:33	02/14/25 11:48	1
Y Carrier	71.4		30 - 110					01/30/25 07:33	02/14/25 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	1.01		0.480	0.484	5.00	0.696	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-020

Lab Sample ID: 160-57034-20

Date Collected: 01/23/25 10:52

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.444		0.210	0.214	1.00	0.254	pCi/L	01/30/25 07:40	02/21/25 09:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.2		30 - 110					01/30/25 07:40	02/21/25 09:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.423	U	0.592	0.594	1.00	0.995	pCi/L	01/30/25 07:44	02/17/25 12:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.2		30 - 110					01/30/25 07:44	02/17/25 12:48	1
Y Carrier	81.9		30 - 110					01/30/25 07:44	02/17/25 12:48	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	0.867	U	0.628	0.631	5.00	0.995	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
2025 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-021

Lab Sample ID: 160-57034-21

Date Collected: 01/23/25 13:04

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.366		0.174	0.177	1.00	0.197	pCi/L	01/30/25 07:40	02/21/25 09:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/30/25 07:40	02/21/25 09:26	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	0.497	U	0.579	0.581	1.00	0.953	pCi/L	01/30/25 07:44	02/17/25 12:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					01/30/25 07:44	02/17/25 12:48	1
Y Carrier	81.1		30 - 110					01/30/25 07:44	02/17/25 12:48	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	0.864	U	0.605	0.607	5.00	0.953	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-022

Lab Sample ID: 160-57034-22

Date Collected: 01/23/25 12:23

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.281	U	0.214	0.215	1.00	0.301	pCi/L	01/30/25 07:40	02/21/25 09:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.3		30 - 110					01/30/25 07:40	02/21/25 09:26	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	0.932	U G	0.848	0.852	1.00	1.34	pCi/L	01/30/25 07:44	02/17/25 12:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.3		30 - 110					01/30/25 07:44	02/17/25 12:48	1
Y Carrier	79.3		30 - 110					01/30/25 07:44	02/17/25 12:48	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	1.21	U	0.875	0.879	5.00	1.34	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-023

Lab Sample ID: 160-57034-23

Date Collected: 01/23/25 12:29

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0638	U	0.0859	0.0861	1.00	0.144	pCi/L	01/30/25 07:40	02/21/25 09:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					01/30/25 07:40	02/21/25 09:27	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	0.0525	U	0.300	0.300	1.00	0.547	pCi/L	01/30/25 07:44	02/17/25 12:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					01/30/25 07:44	02/17/25 12:48	1
Y Carrier	83.7		30 - 110					01/30/25 07:44	02/17/25 12:48	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	0.116	U	0.312	0.312	5.00	0.547	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-024

Lab Sample ID: 160-57034-24

Date Collected: 01/23/25 11:55

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.155	U	0.138	0.139	1.00	0.206	pCi/L	01/30/25 07:40	02/21/25 09:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.8		30 - 110					01/30/25 07:40	02/21/25 09:27	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	0.652	U	0.553	0.556	1.00	0.866	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.8		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	83.7		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.807	U	0.570	0.573	5.00	0.866	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-025

Lab Sample ID: 160-57034-25

Date Collected: 01/23/25 09:24

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.296		0.121	0.124	1.00	0.116	pCi/L	01/30/25 07:40	02/21/25 09:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					01/30/25 07:40	02/21/25 09:27	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	0.395	U	0.325	0.327	1.00	0.502	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	82.2		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.692		0.347	0.350	5.00	0.502	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-027

Lab Sample ID: 160-57034-26

Date Collected: 01/22/25 12:37

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.292		0.154	0.156	1.00	0.184	pCi/L	01/30/25 07:40	02/21/25 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					01/30/25 07:40	02/21/25 09:36	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	0.489	U	0.435	0.437	1.00	0.681	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	80.7		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.781		0.461	0.464	5.00	0.681	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-028

Lab Sample ID: 160-57034-27

Date Collected: 01/22/25 14:13

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00913	U	0.0879	0.0879	1.00	0.178	pCi/L	01/30/25 07:40	02/21/25 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					01/30/25 07:40	02/21/25 09:36	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	-0.173	U	0.285	0.285	1.00	0.582	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	78.1		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.000	U	0.298	0.298	5.00	0.582	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-029

Lab Sample ID: 160-57034-28

Date Collected: 01/22/25 14:41

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.627		0.175	0.184	1.00	0.163	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					01/30/25 07:40	02/21/25 09:37	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	0.0950	U	0.302	0.302	1.00	0.539	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	82.6		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.722		0.349	0.354	5.00	0.539	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-030

Lab Sample ID: 160-57034-29

Date Collected: 01/27/25 11:19

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.169		0.112	0.113	1.00	0.150	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/30/25 07:40	02/21/25 09:37	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	0.150	U	0.324	0.325	1.00	0.571	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	78.9		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.319	U	0.343	0.344	5.00	0.571	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-031

Lab Sample ID: 160-57034-30

Date Collected: 01/22/25 09:46

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.325		0.130	0.134	1.00	0.127	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					01/30/25 07:40	02/21/25 09:37	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	0.619		0.375	0.379	1.00	0.542	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	85.2		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.944		0.397	0.402	5.00	0.542	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-032

Lab Sample ID: 160-57034-31

Date Collected: 01/22/25 09:14

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0735	U	0.0869	0.0871	1.00	0.141	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.8		30 - 110					01/30/25 07:40	02/21/25 09:37	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	0.0379	U	0.376	0.376	1.00	0.691	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.8		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	81.1		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.111	U	0.386	0.386	5.00	0.691	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-033

Lab Sample ID: 160-57034-32

Date Collected: 01/27/25 12:02

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125	U	0.100	0.101	1.00	0.141	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.7		30 - 110					01/30/25 07:40	02/21/25 09:37	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	-0.251	U	0.292	0.293	1.00	0.645	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.7		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	81.1		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.125	U	0.309	0.310	5.00	0.645	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
Q45 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-034

Lab Sample ID: 160-57034-33

Date Collected: 01/27/25 13:00

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0548	U	0.103	0.103	1.00	0.183	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		30 - 110					01/30/25 07:40	02/21/25 09:37	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	0.391	U	0.416	0.418	1.00	0.677	pCi/L	01/30/25 07:44	02/17/25 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		30 - 110					01/30/25 07:44	02/17/25 12:49	1
Y Carrier	81.9		30 - 110					01/30/25 07:44	02/17/25 12:49	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	0.446	U	0.429	0.431	5.00	0.677	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-035

Lab Sample ID: 160-57034-34

Date Collected: 01/27/25 09:51

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.315		0.156	0.158	1.00	0.178	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					01/30/25 07:40	02/21/25 09:37	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	-0.00942	U	0.479	0.479	1.00	0.885	pCi/L	01/30/25 07:44	02/17/25 12:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					01/30/25 07:44	02/17/25 12:44	1
Y Carrier	81.1		30 - 110					01/30/25 07:44	02/17/25 12:44	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	0.315	U	0.504	0.504	5.00	0.885	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-036

Lab Sample ID: 160-57034-35

Date Collected: 01/22/25 13:32

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0864	U	0.0971	0.0974	1.00	0.157	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					01/30/25 07:40	02/21/25 09:37	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	-0.0487	U	0.316	0.316	1.00	0.601	pCi/L	01/30/25 07:44	02/17/25 12:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					01/30/25 07:44	02/17/25 12:44	1
Y Carrier	81.1		30 - 110					01/30/25 07:44	02/17/25 12:44	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	0.0864	U	0.331	0.331	5.00	0.601	pCi/L		02/21/25 15:13	1

Client Sample ID: 25010182-037

Lab Sample ID: 160-57034-36

Date Collected: 01/24/25 11:34

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.441		0.218	0.221	1.00	0.287	pCi/L	01/30/25 07:40	02/21/25 09:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					01/30/25 07:40	02/21/25 09:37	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	0.622	U	0.493	0.497	1.00	0.761	pCi/L	01/30/25 07:44	02/17/25 12:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					01/30/25 07:44	02/17/25 12:44	1
Y Carrier	82.6		30 - 110					01/30/25 07:44	02/17/25 12:44	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	1.06		0.539	0.544	5.00	0.761	pCi/L		02/21/25 15:13	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Client Sample ID: 25010182-038

Lab Sample ID: 160-57034-37

Date Collected: 01/22/25 12:37

Matrix: Water

Date Received: 01/28/25 10:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.121	U	0.0975	0.0981	1.00	0.143	pCi/L	01/30/25 07:40	02/21/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					01/30/25 07:40	02/21/25 09:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0851	U	0.333	0.333	1.00	0.597	pCi/L	01/30/25 07:44	02/17/25 12:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					01/30/25 07:44	02/17/25 12:44	1
Y Carrier	80.7		30 - 110					01/30/25 07:44	02/17/25 12:44	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	0.206	U	0.347	0.347	5.00	0.597	pCi/L		02/21/25 15:13	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-700523/1-A
Matrix: Water
Analysis Batch: 704203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700523

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05733	U	0.0704	0.0706	1.00	0.116	pCi/L	01/30/25 07:29	02/21/25 07:20	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					01/30/25 07:29	02/21/25 07:20	1

Lab Sample ID: LCS 160-700523/2-A
Matrix: Water
Analysis Batch: 704203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700523

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.430		1.02	1.00	0.116	pCi/L	98	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	86.5		30 - 110							

Lab Sample ID: 160-57034-1 DU
Matrix: Water
Analysis Batch: 704206

Client Sample ID: 25010182-001
Prep Type: Total/NA
Prep Batch: 700523

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.132		0.08307	U	0.0826	1.00	0.130	pCi/L	0.29	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	92.1		30 - 110							

Lab Sample ID: MB 160-700526/1-A
Matrix: Water
Analysis Batch: 704203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700526

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1738		0.108	0.109	1.00	0.141	pCi/L	01/30/25 07:40	02/21/25 09:25	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					01/30/25 07:40	02/21/25 09:25	1

Lab Sample ID: LCS 160-700526/2-A
Matrix: Water
Analysis Batch: 704203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700526

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.762		0.996	1.00	0.198	pCi/L	91	75 - 125

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

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

Lab Sample ID: LCS 160-700526/2-A
Matrix: Water
Analysis Batch: 704203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700526

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	88.5		30 - 110

Lab Sample ID: 160-57034-21 DU
Matrix: Water
Analysis Batch: 704203

Client Sample ID: 25010182-021
Prep Type: Total/NA
Prep Batch: 700526

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.366		0.2342		0.146	1.00	0.190	pCi/L	0.41	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.2		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-700524/1-A
Matrix: Water
Analysis Batch: 703042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700524

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4655	U	0.440	0.442	1.00	0.704	pCi/L	01/30/25 07:33	02/14/25 11:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.4		30 - 110					01/30/25 07:33	02/14/25 11:46	1
Y Carrier	79.6		30 - 110					01/30/25 07:33	02/14/25 11:46	1

Lab Sample ID: LCS 160-700524/2-A
Matrix: Water
Analysis Batch: 703042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700524

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.10	9.215		1.33	1.00	0.621	pCi/L	114	75 - 125
	LCS	LCS							
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	86.5		30 - 110						
Y Carrier	81.9		30 - 110						

Lab Sample ID: 160-57034-1 DU
Matrix: Water
Analysis Batch: 703042

Client Sample ID: 25010182-001
Prep Type: Total/NA
Prep Batch: 700524

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.0941	U	0.1234	U	0.401	1.00	0.709	pCi/L	0.04	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

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

Lab Sample ID: 160-57034-1 DU
Matrix: Water
Analysis Batch: 703042

Client Sample ID: 25010182-001
Prep Type: Total/NA
Prep Batch: 700524

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	92.1		30 - 110
Y Carrier	78.9		30 - 110

Lab Sample ID: MB 160-700527/1-A
Matrix: Water
Analysis Batch: 703376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700527

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0000	U	0.247	0.247	1.00	0.476	pCi/L	01/30/25 07:44	02/17/25 12:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					01/30/25 07:44	02/17/25 12:48	1
Y Carrier	84.9		30 - 110					01/30/25 07:44	02/17/25 12:48	1

Lab Sample ID: LCS 160-700527/2-A
Matrix: Water
Analysis Batch: 703376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700527

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.09	9.862		1.37	1.00	0.598	pCi/L	122	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	88.5		30 - 110						
Y Carrier	81.5		30 - 110						

Lab Sample ID: 160-57034-21 DU
Matrix: Water
Analysis Batch: 703376

Client Sample ID: 25010182-021
Prep Type: Total/NA
Prep Batch: 700527

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.497	U	0.003151	U	0.413	1.00	0.773	pCi/L	0.50	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.2		30 - 110							
Y Carrier	83.0		30 - 110							

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-57034-1
SDG: 25010182

Rad

Prep Batch: 700523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57034-1	25010182-001	Total/NA	Water	PrecSep-21	
160-57034-2	25010182-002	Total/NA	Water	PrecSep-21	
160-57034-3	25010182-003	Total/NA	Water	PrecSep-21	
160-57034-4	25010182-004	Total/NA	Water	PrecSep-21	
160-57034-5	25010182-005	Total/NA	Water	PrecSep-21	
160-57034-6	25010182-006	Total/NA	Water	PrecSep-21	
160-57034-7	25010182-007	Total/NA	Water	PrecSep-21	
160-57034-8	25010182-008	Total/NA	Water	PrecSep-21	
160-57034-9	25010182-009	Total/NA	Water	PrecSep-21	
160-57034-10	25010182-010	Total/NA	Water	PrecSep-21	
160-57034-11	25010182-011	Total/NA	Water	PrecSep-21	
160-57034-12	25010182-012	Total/NA	Water	PrecSep-21	
160-57034-13	25010182-013	Total/NA	Water	PrecSep-21	
160-57034-14	25010182-014	Total/NA	Water	PrecSep-21	
160-57034-15	25010182-015	Total/NA	Water	PrecSep-21	
160-57034-16	25010182-016	Total/NA	Water	PrecSep-21	
160-57034-17	25010182-017	Total/NA	Water	PrecSep-21	
160-57034-18	25010182-018	Total/NA	Water	PrecSep-21	
160-57034-19	25010182-019	Total/NA	Water	PrecSep-21	
MB 160-700523/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-700523/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-57034-1 DU	25010182-001	Total/NA	Water	PrecSep-21	

Prep Batch: 700524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57034-1	25010182-001	Total/NA	Water	PrecSep_0	
160-57034-2	25010182-002	Total/NA	Water	PrecSep_0	
160-57034-3	25010182-003	Total/NA	Water	PrecSep_0	
160-57034-4	25010182-004	Total/NA	Water	PrecSep_0	
160-57034-5	25010182-005	Total/NA	Water	PrecSep_0	
160-57034-6	25010182-006	Total/NA	Water	PrecSep_0	
160-57034-7	25010182-007	Total/NA	Water	PrecSep_0	
160-57034-8	25010182-008	Total/NA	Water	PrecSep_0	
160-57034-9	25010182-009	Total/NA	Water	PrecSep_0	
160-57034-10	25010182-010	Total/NA	Water	PrecSep_0	
160-57034-11	25010182-011	Total/NA	Water	PrecSep_0	
160-57034-12	25010182-012	Total/NA	Water	PrecSep_0	
160-57034-13	25010182-013	Total/NA	Water	PrecSep_0	
160-57034-14	25010182-014	Total/NA	Water	PrecSep_0	
160-57034-15	25010182-015	Total/NA	Water	PrecSep_0	
160-57034-16	25010182-016	Total/NA	Water	PrecSep_0	
160-57034-17	25010182-017	Total/NA	Water	PrecSep_0	
160-57034-18	25010182-018	Total/NA	Water	PrecSep_0	
160-57034-19	25010182-019	Total/NA	Water	PrecSep_0	
MB 160-700524/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-700524/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-57034-1 DU	25010182-001	Total/NA	Water	PrecSep_0	

Prep Batch: 700526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57034-20	25010182-020	Total/NA	Water	PrecSep-21	

Eurofins St. Louis

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-57034-1
SDG: 25010182

Rad (Continued)

Prep Batch: 700526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57034-21	25010182-021	Total/NA	Water	PrecSep-21	
160-57034-22	25010182-022	Total/NA	Water	PrecSep-21	
160-57034-23	25010182-023	Total/NA	Water	PrecSep-21	
160-57034-24	25010182-024	Total/NA	Water	PrecSep-21	
160-57034-25	25010182-025	Total/NA	Water	PrecSep-21	
160-57034-26	25010182-027	Total/NA	Water	PrecSep-21	
160-57034-27	25010182-028	Total/NA	Water	PrecSep-21	
160-57034-28	25010182-029	Total/NA	Water	PrecSep-21	
160-57034-29	25010182-030	Total/NA	Water	PrecSep-21	
160-57034-30	25010182-031	Total/NA	Water	PrecSep-21	
160-57034-31	25010182-032	Total/NA	Water	PrecSep-21	
160-57034-32	25010182-033	Total/NA	Water	PrecSep-21	
160-57034-33	25010182-034	Total/NA	Water	PrecSep-21	
160-57034-34	25010182-035	Total/NA	Water	PrecSep-21	
160-57034-35	25010182-036	Total/NA	Water	PrecSep-21	
160-57034-36	25010182-037	Total/NA	Water	PrecSep-21	
160-57034-37	25010182-038	Total/NA	Water	PrecSep-21	
MB 160-700526/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-700526/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-57034-21 DU	25010182-021	Total/NA	Water	PrecSep-21	

Prep Batch: 700527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57034-20	25010182-020	Total/NA	Water	PrecSep_0	
160-57034-21	25010182-021	Total/NA	Water	PrecSep_0	
160-57034-22	25010182-022	Total/NA	Water	PrecSep_0	
160-57034-23	25010182-023	Total/NA	Water	PrecSep_0	
160-57034-24	25010182-024	Total/NA	Water	PrecSep_0	
160-57034-25	25010182-025	Total/NA	Water	PrecSep_0	
160-57034-26	25010182-027	Total/NA	Water	PrecSep_0	
160-57034-27	25010182-028	Total/NA	Water	PrecSep_0	
160-57034-28	25010182-029	Total/NA	Water	PrecSep_0	
160-57034-29	25010182-030	Total/NA	Water	PrecSep_0	
160-57034-30	25010182-031	Total/NA	Water	PrecSep_0	
160-57034-31	25010182-032	Total/NA	Water	PrecSep_0	
160-57034-32	25010182-033	Total/NA	Water	PrecSep_0	
160-57034-33	25010182-034	Total/NA	Water	PrecSep_0	
160-57034-34	25010182-035	Total/NA	Water	PrecSep_0	
160-57034-35	25010182-036	Total/NA	Water	PrecSep_0	
160-57034-36	25010182-037	Total/NA	Water	PrecSep_0	
160-57034-37	25010182-038	Total/NA	Water	PrecSep_0	
MB 160-700527/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-700527/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-57034-21 DU	25010182-021	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
Lab ID: 160-57034-1
SDG: 25010182

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-57034-1	25010182-001	92.6					
160-57034-1 DU	25010182-001	92.1					
160-57034-2	25010182-002	74.5					
160-57034-3	25010182-003	80.9					
160-57034-4	25010182-004	47.7					
160-57034-5	25010182-005	68.4					
160-57034-6	25010182-006	79.3					
160-57034-7	25010182-007	77.3					
160-57034-8	25010182-008	87.2					
160-57034-9	25010182-009	83.9					
160-57034-10	25010182-010	74.2					
160-57034-11	25010182-011	79.1					
160-57034-12	25010182-012	72.4					
160-57034-13	25010182-013	80.4					
160-57034-14	25010182-014	75.0					
160-57034-15	25010182-015	89.8					
160-57034-16	25010182-016	91.8					
160-57034-17	25010182-017	83.2					
160-57034-18	25010182-018	82.7					
160-57034-19	25010182-019	76.3					
160-57034-20	25010182-020	72.2					
160-57034-21	25010182-021	80.4					
160-57034-21 DU	25010182-021	87.2					
160-57034-22	25010182-022	77.3					
160-57034-23	25010182-023	94.9					
160-57034-24	25010182-024	76.8					
160-57034-25	25010182-025	91.6					
160-57034-26	25010182-027	88.8					
160-57034-27	25010182-028	93.9					
160-57034-28	25010182-029	99.7					
160-57034-29	25010182-030	82.7					
160-57034-30	25010182-031	90.1					
160-57034-31	25010182-032	78.8					
160-57034-32	25010182-033	74.7					
160-57034-33	25010182-034	86.2					
160-57034-34	25010182-035	87.5					
160-57034-35	25010182-036	88.8					
160-57034-36	25010182-037	83.4					
160-57034-37	25010182-038	90.3					
LCS 160-700523/2-A	Lab Control Sample	86.5					
LCS 160-700526/2-A	Lab Control Sample	88.5					
MB 160-700523/1-A	Method Blank	84.4					
MB 160-700526/1-A	Method Blank	89.0					

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Lab ID: 160-57034-1
SDG: 25010182

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)
160-57034-1	25010182-001	92.6	80.7
160-57034-1 DU	25010182-001	92.1	78.9
160-57034-2	25010182-002	74.5	78.1
160-57034-3	25010182-003	80.9	83.7
160-57034-4	25010182-004	47.7	80.0
160-57034-5	25010182-005	68.4	79.3
160-57034-6	25010182-006	79.3	78.1
160-57034-7	25010182-007	77.3	73.6
160-57034-8	25010182-008	87.2	77.4
160-57034-9	25010182-009	83.9	82.6
160-57034-10	25010182-010	74.2	77.8
160-57034-11	25010182-011	79.1	78.1
160-57034-12	25010182-012	72.4	72.1
160-57034-13	25010182-013	80.4	75.5
160-57034-14	25010182-014	75.0	76.6
160-57034-15	25010182-015	89.8	76.3
160-57034-16	25010182-016	91.8	80.0
160-57034-17	25010182-017	83.2	80.0
160-57034-18	25010182-018	82.7	79.3
160-57034-19	25010182-019	76.3	71.4
160-57034-20	25010182-020	72.2	81.9
160-57034-21	25010182-021	80.4	81.1
160-57034-21 DU	25010182-021	87.2	83.0
160-57034-22	25010182-022	77.3	79.3
160-57034-23	25010182-023	94.9	83.7
160-57034-24	25010182-024	76.8	83.7
160-57034-25	25010182-025	91.6	82.2
160-57034-26	25010182-027	88.8	80.7
160-57034-27	25010182-028	93.9	78.1
160-57034-28	25010182-029	99.7	82.6
160-57034-29	25010182-030	82.7	78.9
160-57034-30	25010182-031	90.1	85.2
160-57034-31	25010182-032	78.8	81.1
160-57034-32	25010182-033	74.7	81.1
160-57034-33	25010182-034	86.2	81.9
160-57034-34	25010182-035	87.5	81.1
160-57034-35	25010182-036	88.8	81.1
160-57034-36	25010182-037	83.4	82.6
160-57034-37	25010182-038	90.3	80.7
LCS 160-700524/2-A	Lab Control Sample	86.5	81.9
LCS 160-700527/2-A	Lab Control Sample	88.5	81.5
MB 160-700524/1-A	Method Blank	84.4	79.6
MB 160-700527/1-A	Method Blank	89.0	84.9

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-192
Sample ID: 009
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 27 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 12:47 Static Water Level: 8.55 feet below TOC
Total Depth: 32.91 feet below TOC
Water Column: 24.36 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 24.356 ft. x 0.022 = 0.54 L x 3 Vol. = 1.62 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:56	0.0	250	purge start time						
13:01	1.3	↓	6.91	1,368.70	14.60	1.12	-125.10	45.81	
13:04	2.0		6.91	1,350.80	14.80	0.83	-122.60	36.92	
13:07	2.8		6.93	1,342.10	14.86	0.83	-117.80	21.21	
13:10	3.5		6.92	1,334.20	14.84	0.79	-116.40	13.03	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 13:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.92 pH 1,334.20 Spec. Cond. 14.84 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 12.70 feet below TOC Drawdown: 4.15 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: _____

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-193
Sample ID: 010
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 30 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 13:23 Static Water Level: 9.53 feet below TOC
Total Depth: 35.54 feet below TOC
Water Column: 26.01 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 26.013 ft. x 0.022 = 0.57 L x 3 Vol. = 1.71 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:23	0.0	250	purge start time						
13:28	1.3	↓	6.80	1,590.50	14.60	4.07	-29.20	81.41	
13:31	2.0		6.76	1,593.10	14.81	3.36	-27.00	81.76	
13:34	2.8		6.72	1,594.10	15.15	2.09	-27.60	50.39	
13:37	3.5		6.68	1,596.00	15.21	1.37	-29.70	34.31	
13:40	4.3		6.67	1,594.50	15.33	1.06	-31.30	25.99	
13:43	5.0		6.66	1,594.40	15.47	0.88	-32.40	20.48	
13:46	5.8		6.65	1,590.90	15.41	0.75	-33.20	16.02	
13:49	6.5		6.65	1,590.60	15.27	0.71	-33.60	13.00	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 13:49
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.65 pH 1,590.60 Spec. Cond. 15.27 Temp
Field Filtered: No Filter Type:
Water Level: 10.18 feet below TOC Drawdown: 0.65 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-304
Sample ID: 016
Date (s): 1/22/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 30 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 13:03 Static Water Level: 8.99 feet below TOC
Total Depth: 57.50 feet below TOC
Water Column: 48.51 feet

Purging Activities

Purged By: TC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $48.51 \text{ ft.} \times 0.022 = 1.07 \text{ L} \times 3 \text{ Vol.} = 3.21 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	161	purge start time						
13:20	2.6	↓	7.89	2,132.60	14.00	1.68	87.80	17.71	
13:23	3.1		7.85	2,124.60	14.05	1.36	88.40	14.45	
13:26	3.5		7.81	2,107.80	13.94	1.19	89.40	10.26	
13:29	4.0		7.77	2,094.90	13.88	1.10	90.50	7.98	
13:32	4.5		7.74	2,087.50	13.89	1.08	91.50	6.80	

Sampling Activities

Sampled By: PY Sample Date/Time: 1/22/2025 13:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.74 pH 2,087.50 Spec. Cond. 13.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.74 feet below TOC Drawdown: 6.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Payton Yoch

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-356
Sample ID: 020
Date (s): 1/23/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 1/23/2025 11:32 Static Water Level: 4.60 feet below TOC
Total Depth: 68.40 feet below TOC
Water Column: 63.80 feet

Purging Activities

Purged By: JC Purge Date: 1/23/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $63.8 \text{ ft.} \times 0.022 = 1.4 \text{ L} \times 3 \text{ Vol.} = 4.2 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:32	0.0	267	purge start time						
11:35	0.8	↓	7.75	2,016.70	12.47	1.81	-128.50	5.08	
11:38	1.6		7.75	2,059.80	12.59	0.56	-111.60	9.04	
11:41	2.4		7.75	2,035.40	12.69	0.25	-104.30	8.71	
11:44	3.2		7.72	1,991.50	12.74	0.16	-99.90	5.11	
11:47	4.0		7.70	1,959.00	12.67	0.21	-96.00	3.53	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/23/2025 11:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.70 pH 1,959.00 Spec. Cond. 12.67 Temp
Field Filtered: No Filter Type:
Water Level: 7.60 feet below TOC Drawdown: 3.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/23/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-358R
Sample ID: 021
Date (s): 1/24/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 20 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/24/2025 11:02 Static Water Level: 31.68 feet below TOC
Total Depth: 93.03 feet below TOC
Water Column: 61.35 feet

Purging Activities

Purged By: TC Purge Date: 1/24/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 61.35 ft. x 0.022 = 1.35 L x 3 Vol. = 4.05 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Cloudy Odor: None Color: lt grey

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:06	0.0	196	purge start time						
11:16	2.0	↓	7.30	4,174.90	12.40	1.86	87.60	368.10	
11:19	2.6		7.32	4,181.90	12.50	1.55	80.20	241.86	
11:22	3.1		7.34	4,183.70	12.55	1.37	73.40	257.78	
11:25	3.7		7.33	4,157.60	12.60	1.25	67.30	210.95	
11:28	4.3		7.30	4,112.70	12.52	1.15	61.90	190.40	
11:31	4.9		7.28	4,090.60	12.64	1.08	56.10	203.85	
11:34	5.5		7.27	4,080.80	12.66	1.02	50.00	167.51	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/24/2025 11:34
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.27 pH 4,080.80 Spec. Cond. 12.66 Temp
Field Filtered: No Filter Type:
Water Level: 39.03 feet below TOC Drawdown: 7.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Tracy Carroll

Date: 1/24/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-369
Sample ID: 023
Date (s): 1/23/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 29 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 1/23/2025 13:31
Static Water Level: 10.92 feet below TOC
Total Depth: 68.20 feet below TOC
Water Column: 57.28 feet

Purging Activities

Purged By: JC Purge Date: 1/23/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 57.28 ft. x 0.022 = 1.26 L x 3 Vol. = 3.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Slightly cloudy Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:31	0.0	231	purge start time						
13:35	0.9	↓	7.30	3,403.80	13.85	0.83	-168.50	7.94	
13:38	1.6		8.11	4,322.00	13.65	0.27	-199.60	14.91	
13:41	2.3		8.34	4,193.70	13.58	0.14	-207.70	34.22	
13:44	3.0		8.39	3,955.10	13.63	0.09	-208.00	36.81	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/23/2025 13:44
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 8.39 pH 3,955.10 Spec. Cond. 13.63 Temp
Field Filtered: No Filter Type:
Water Level: 13.22 feet below TOC Drawdown: 2.30 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Date: 1/23/2025

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Field Data Sheet

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-370
Sample ID: 024
Date (s): 1/23/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 29 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/23/2025 13:58 Static Water Level: 18.06 feet below TOC
Total Depth: 65.20 feet below TOC
Water Column: 47.14 feet

Purging Activities

Purged By: JC Purge Date: 1/23/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 47.14 ft. x 0.022 = 1.04 L x 3 Vol. = 3.12 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:58	0.0	237	purge start time						
14:02	1.0	↓	7.45	8,052.00	12.68	3.82	-43.70	6.79	
14:05	1.7		7.54	8,674.20	13.08	1.67	-43.90	9.54	
14:08	2.4		7.57	8,958.10	12.94	0.59	-47.80	11.46	
14:11	3.1		7.57	9,030.90	12.92	0.32	-50.70	11.50	
14:14	3.8		7.57	9,068.50	13.09	0.22	-52.50	11.11	
14:17	4.5		7.56	9,090.50	13.09	0.17	-53.50	11.15	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/23/2025 14:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.56 pH 9,090.50 Spec. Cond. 13.09 Temp
Field Filtered: No Filter Type:
Water Level: 19.06 feet below TOC Drawdown: 1.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/23/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-382
Sample ID: 027
Date (s): 1/23/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 30 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 1/23/2025 12:04 Static Water Level: 15.41 feet below TOC
Total Depth: 72.70 feet below TOC
Water Column: 57.29 feet

Purging Activities

Purged By: JC Purge Date: 1/23/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 57.29 ft. x 0.022 = 1.26 L x 3 Vol. = 3.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:06	0.0	206	purge start time						
12:11	1.0	↓	7.77	3,067.60	13.79	2.26	-145.60	137.59	
12:14	1.6		7.82	3,225.70	14.05	0.78	-125.00	160.00	
12:17	2.3		7.80	3,246.70	14.20	0.43	-115.00	165.38	
12:20	2.9		7.78	3,204.10	14.00	0.32	-109.90	143.86	
12:23	3.5		7.73	3,125.90	14.03	0.39	-104.40	140.37	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/23/2025 12:23
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.73 pH 3,125.90 Spec. Cond. 14.03 Temp
Field Filtered: No Filter Type:
Water Level: 18.68 feet below TOC Drawdown: 3.27 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/23/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-392
Sample ID: 032
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 27 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 12:17 Static Water Level: 8.86 feet below TOC
Total Depth: 86.96 feet below TOC
Water Column: 78.10 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 78.095 ft. x 0.022 = 1.72 L x 3 Vol. = 5.16 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:24	0.0	385	purge start time						
12:28	1.5	↓	7.54	4,993.30	14.86	1.09	-151.30	35.53	
12:31	2.7		7.56	5,145.20	14.86	0.75	-159.50	62.00	
12:34	3.8		7.57	5,268.10	15.03	0.65	-159.40	77.99	
12:37	5.0		7.57	5,355.70	14.97	0.58	-161.40	59.81	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 12:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.57 pH 5,355.70 Spec. Cond. 14.97 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 13.77 feet below TOC Drawdown: 4.91 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: _____

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-393
Sample ID: 033
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 30 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 13:53 Static Water Level: 8.21 feet below TOC
Total Depth: 88.27 feet below TOC
Water Column: 80.06 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $80.061 \text{ ft.} \times 0.022 = 1.76 \text{ L} \times 3 \text{ Vol.} = 5.28 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: Strong Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:58	0.0	333	purge start time						
14:01	1.0	↓	8.04	5,781.40	14.45	1.84	-210.60	3.51	
14:04	2.0		8.10	6,299.30	14.86	0.39	-244.80	4.45	
14:07	3.0		8.11	6,511.70	14.94	0.17	-258.10	6.02	
14:10	4.0		8.11	6,659.60	15.01	0.09	-266.30	7.28	
14:13	5.0		8.12	6,774.20	15.06	0.06	-272.30	6.59	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 14:13
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 8.12 pH 6,774.20 Spec. Cond. 15.06 Temp
Field Filtered: No Filter Type:
Water Level: 12.79 feet below TOC Drawdown: 4.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-394
Sample ID: 034
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 31 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 14:26 Static Water Level: 8.35 feet below TOC
Total Depth: 85.78 feet below TOC
Water Column: 77.43 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 77.43 ft. x 0.022 = 1.7 L x 3 Vol. = 5.1 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:26	0.0	400	purge start time						
14:29	1.2	↓	7.74	6,483.50	14.85	1.69	-224.10	4.47	
14:32	2.4		7.84	7,297.40	14.76	0.31	-276.10	6.29	
14:35	3.6		7.86	7,286.60	14.74	0.15	-299.20	4.44	
14:38	4.8		7.89	7,171.60	14.75	0.08	-312.70	3.23	
14:41	6.0		7.92	7,047.20	14.82	0.04	-313.00	3.19	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 14:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.92 pH 7,047.20 Spec. Cond. 14.82 Temp
Field Filtered: No Filter Type:
Water Level: 11.83 feet below TOC Drawdown: 3.48 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By:

Justin Colp

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: OW-256
Sample ID: 037
Date (s): 1/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 1/27/2025 11:04 Static Water Level: 6.54 feet below TOC
Total Depth: 35.60 feet below TOC
Water Column: 29.06 feet

Purging Activities

Purged By: BG Purge Date: 1/27/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 29.06 ft. x 0.022 = 0.64 L x 3 Vol. = 1.92 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:04	0.0	200	purge start time						
11:07	0.6	↓	7.11	367.00	12.38	2.13	-24.60	5.77	
11:10	1.2		7.18	359.30	12.41	3.91	-22.20	8.02	
11:13	1.8		7.09	356.30	12.57	3.64	-20.70	9.68	
11:16	2.4		6.99	354.70	12.59	3.02	-19.40	8.14	
11:19	3.0		6.94	352.10	12.75	2.54	-22.10	5.99	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/23/2025 11:19
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.94 pH 352.10 Spec. Cond. 12.75 Temp
Field Filtered: No Filter Type:
Water Level: 6.75 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/23/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: OW-257
Sample ID: 038
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 9:28 Static Water Level: 4.83 feet below TOC
Total Depth: 41.90 feet below TOC
Water Column: 37.07 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 37.07 ft. x 0.022 = 0.82 L x 3 Vol. = 2.46 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:29	0.0	206	purge start time						
9:37	1.7	↓	7.23	1,728.80	10.39	5.60	-125.10	2.06	
9:40	2.3		7.23	1,716.20	10.14	5.57	-113.90	2.01	
9:43	2.9		7.23	1,715.80	10.26	5.53	-105.20	2.18	
9:46	3.5		7.23	1,701.60	9.83	5.54	-97.70	2.44	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 9:46
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.23 pH 1,701.60 Spec. Cond. 9.83 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 8.93 feet below TOC Drawdown: 4.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: _____

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: PZ-170
Sample ID: 039
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 16 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 8:54 Static Water Level: 13.52 feet below TOC
Total Depth: 34.00 feet below TOC
Water Column: 20.48 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 20.48 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: Strong Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:58	0.0	219	purge start time						
9:02	0.9	↓	6.47	2,815.50	13.22	1.44	-202.80	4.12	
9:05	1.6		6.54	2,520.20	11.95	1.10	-232.70	3.57	
9:08	2.2		6.55	2,433.70	11.86	0.88	-244.10	2.84	
9:11	2.9		6.54	2,427.50	11.87	0.76	-246.40	2.58	
9:14	3.5		6.55	2,403.10	11.42	0.68	-248.00	2.48	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 9:14
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.55 pH 2,403.10 Spec. Cond. 11.42 Temp
Field Filtered: No Filter Type:
Water Level: 15.91 feet below TOC Drawdown: 2.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: Justin Colp

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: PZ-182
Sample ID: 040
Date (s): 1/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 34 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/27/2025 11:37 Static Water Level: 16.07 feet below TOC
Total Depth: 37.10 feet below TOC
Water Column: 21.03 feet

Purging Activities

Purged By: BG Purge Date: 1/27/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 21.03 ft. x 0.022 = 0.46 L x 3 Vol. = 1.38 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:37	0.0	120	purge start time						
11:50	1.6	↓	6.48	296.60	13.74	1.71	-42.80	8.78	
11:53	1.9		6.55	338.40	14.09	1.20	-54.10	5.63	
11:56	2.3		6.57	346.80	14.46	0.99	-63.30	14.76	
11:59	2.6		6.57	343.00	14.52	0.91	-66.80	4.40	
12:02	3.0		6.57	340.50	14.75	0.81	-68.40	6.54	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/27/2025 12:02
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.57 pH 340.50 Spec. Cond. 14.75 Temp
Field Filtered: No Filter Type:
Water Level: 16.78 feet below TOC Drawdown: 0.71 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By:

Brett Gillihan

Date: 1/27/2025



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Field Data Sheet

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: TPZ-164
Sample ID: 041
Date (s): 1/27/2025

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 34 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/27/2025 12:45 Static Water Level: 3.40 feet below TOC
Total Depth: 12.90 feet below TOC
Water Column: 9.50 feet

Purging Activities

Purged By: BG Purge Date: 1/27/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.5 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 1.50 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt Brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:45	0.0	83	purge start time						
12:47	0.2	↓	7.32	289.60	10.67	1.40	-94.30	130.24	
12:51	0.5		7.27	283.70	10.76	1.14	-106.30	103.59	
12:54	0.8		7.24	283.30	10.93	1.01	-108.80	83.57	
12:57	1.0		7.24	282.30	10.87	0.92	-110.40	63.44	
13:00	1.3		7.23	281.20	11.18	0.88	-111.80	57.48	
13:03	1.5		7.23	277.80	10.68	0.84	-112.50	47.19	

Sampling Activities

Sampled By: BG Sample Date/Time: 1/27/2025 13:03
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.23 pH 277.80 Spec. Cond. 10.68 Temp
Field Filtered: No Filter Type:
Water Level: 4.01 feet below TOC Drawdown: 0.61 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 46868

Form Completed By: Brett Gillihan

Date: 1/27/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: XPW01
Sample ID: 042
Date (s): 1/27/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/27/2025 10:28 Static Water Level: 9.82 feet below TOC
Total Depth: 14.53 feet below TOC
Water Column: 4.71 feet

Purging Activities

Purged By: TC Purge Date: 1/27/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 4.714 ft. x 0.022 = 0.1 L x 3 Vol. = 0.3 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.0	294	purge start time						
10:36	2.4	↓	6.88	742.50	15.49	1.15	41.10	23.05	
10:39	3.2		6.86	742.90	15.34	0.99	40.20	15.36	
10:42	4.1		6.85	742.10	15.50	0.88	39.30	12.55	
10:45	5.0		6.85	742.60	15.54	0.81	38.70	10.01	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/27/2025 10:45
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.85 pH 742.60 Spec. Cond. 15.54 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 9.82 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By: _____

Date: 1/27/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: XPW05
Sample ID: 043
Date (s): 1/27/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 1/27/2025 9:50 Static Water Level: 4.28 feet below TOC
Total Depth: 31.15 feet below TOC
Water Column: 26.87 feet

Purging Activities

Purged By: TC Purge Date: 1/27/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 26.866 ft. x 0.022 = 0.59 L x 3 Vol. = 1.77 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:51	0.0	286	purge start time						
10:00	2.6	↓	6.90	761.20	15.78	1.25	51.10	15.15	
10:03	3.4		7.00	757.30	15.87	1.06	46.40	12.58	
10:06	4.3		7.07	754.40	15.90	0.94	42.20	9.79	
10:09	5.1		7.14	752.70	15.94	0.86	38.60	8.95	
10:12	6.0		7.20	751.00	16.05	0.79	35.50	8.54	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/27/2025 10:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.20 pH 751.00 Spec. Cond. 16.05 Temp
Field Filtered: No Filter Type:
Water Level: 4.31 feet below TOC Drawdown: 0.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Tracy Carroll

Date: 1/27/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: XPW06
Sample ID: 044
Date (s): 1/27/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/27/2025 10:57 Static Water Level: 2.20 feet below TOC
Total Depth: 9.66 feet below TOC
Water Column: 7.46 feet

Purging Activities

Purged By: TC Purge Date: 1/27/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.455 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	275	purge start time						
11:06	2.2	↓	7.25	494.90	10.78	1.28	50.40	3.70	
11:09	3.0		7.24	488.90	10.69	1.06	50.40	2.77	
11:12	3.8		7.25	482.40	10.72	0.98	50.10	2.66	
11:15	4.7		7.26	476.50	10.72	0.92	49.80	2.20	
11:18	5.5		7.27	468.80	10.77	0.87	49.40	2.10	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/27/2025 11:18
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.27 pH 468.80 Spec. Cond. 10.77 Temp
Field Filtered: No Filter Type:
Water Level: 3.60 feet below TOC Drawdown: 1.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Tracy Carroll

Date: 1/27/2025



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Field Data Sheet

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: Field Blank
Sample ID: 045
Date (s): _____

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 31 °F

Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____

Static Water Level: _____ feet below TOC

Total Depth: - feet below TOC

Water Column: _____ feet

Purging Activities

Purged By: JC

Purge Date: _____

Purge Method: Direct Grab

Well Diameter: _____

Purge Volume Calculation (L): _____

Actual Purge Volume (L): _____

Physical appearance of purge water: _____

Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: JC

Sample Date/Time: 1/27/2025 13:00

Sample Method: Direct Sample

Sample Equipment: Direct Grab

Sample Parameters: pH Spec. Cond. Temp

Field Filtered: _____ Filter Type: _____

Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: N/A
- QA/QC Sample

Form Completed By: Justin Colp

Date: 1/27/2025



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-304 Duplicate
Sample ID: 048
Date (s): 1/22/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 30 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 13:03 Static Water Level: 8.99 feet below TOC
Total Depth: 57.50 feet below TOC
Water Column: 48.51 feet

Purging Activities

Purged By: TC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $48.51 \text{ ft.} \times 0.022 = 1.07 \text{ L} \times 3 \text{ Vol.} = 3.21 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	161	purge start time						
13:20	2.6	↓	7.89	2,132.60	14.00	1.68	87.80	17.71	
13:23	3.1		7.85	2,124.60	14.05	1.36	88.40	14.45	
13:26	3.5		7.81	2,107.80	13.94	1.19	89.40	10.26	
13:29	4.0		7.77	2,094.90	13.88	1.10	90.50	7.98	
13:32	4.5		7.74	2,087.50	13.89	1.08	91.50	6.80	

Sampling Activities

Sampled By: PY Sample Date/Time: 1/22/2025 13:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.74 pH 2,087.50 Spec. Cond. 13.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.74 feet below TOC Drawdown: 6.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Payton Yoch

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-358R Duplicate
Sample ID: 049
Date (s): 1/24/2025

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 20 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

	Well Pad	Good	Locks	Yes	No
	Casing	<u>Good</u>	Protective Casing	<u>X</u>	
	Protective Casing	<u>Good</u>	Well		<u>X</u>
	Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/24/2025 11:02 Static Water Level: 31.68 feet below TOC
Total Depth: 93.03 feet below TOC
Water Column: 61.35 feet

Purging Activities

Purged By: TC Purge Date: 1/24/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 61.35 ft. x 0.022 = 1.35 L x 3 Vol. = 4.05 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Cloudy Odor: None Color: lt grey

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:06	0.0	196	purge start time						
11:16	2.0	↓	7.30	4,174.90	12.40	1.86	87.60	368.10	
11:19	2.6		7.32	4,181.90	12.50	1.55	80.20	241.86	
11:22	3.1		7.34	4,183.70	12.55	1.37	73.40	257.78	
11:25	3.7		7.33	4,157.60	12.60	1.25	67.30	210.95	
11:28	4.3		7.30	4,112.70	12.52	1.15	61.90	190.40	
11:31	4.9		7.28	4,090.60	12.64	1.08	56.10	203.85	
11:34	5.5		7.27	4,080.80	12.66	1.02	50.00	167.51	

Sampling Activities

Sampled By: TC Sample Date/Time: 1/24/2025 11:34
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.27 pH 4,080.80 Spec. Cond. 12.66 Temp
Field Filtered: No Filter Type: _____
Water Level: 39.03 feet below TOC Drawdown: 7.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210769

Form Completed By:

Tracy CarrollDate: 1/24/2025

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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: MW-392 Duplicate
Sample ID: 050
Date (s): 1/22/2025

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 27 °F Wind Direction: ☒ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	<u>Good</u>	Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>	Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 1/22/2025 12:17 Static Water Level: 8.86 feet below TOC
Total Depth: 86.96 feet below TOC
Water Column: 78.10 feet

Purging Activities

Purged By: JC Purge Date: 1/22/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 78.095 ft. x 0.022 = 1.72 L x 3 Vol. = 5.16 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:24	0.0	385	purge start time						
12:28	1.5	↓	7.54	4,993.30	14.86	1.09	-151.30	35.53	
12:31	2.7		7.56	5,145.20	14.86	0.75	-159.50	62.00	
12:34	3.8		7.57	5,268.10	15.03	0.65	-159.40	77.99	
12:37	5.0		7.57	5,355.70	14.97	0.58	-161.40	59.81	

Sampling Activities

Sampled By: JC Sample Date/Time: 1/22/2025 12:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.57 pH 5,355.70 Spec. Cond. 14.97 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 13.77 feet below TOC Drawdown: 4.91 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 44954

Form Completed By: _____

Date: 1/22/2025



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Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: Equipment Blank 1
Sample ID: 051
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; No sample collected with non-dedicated equipment

Form Completed By: Date:



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: Equipment Blank 2
Sample ID: 052
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; No sample collected with non-dedicated equipment

Form Completed By:

Date:



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Project Name: BAL-25Q1
Project Location: Baldwin, IL
W.O. Number (s): 25010181

Monitoring Point: Equipment Blank 3
Sample ID: 053
Date (s): _____

Field Team Members

Name: _____ Affiliation: _____
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: _____

Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp _____
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; No sample collected with non-dedicated equipment

Form Completed By: _____

Date: _____



Site Sampling Event: BAL- 25Q1
LIMS Workorder: 25010181
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44954 Technician(s): justin colp Date: 1/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/22/25 8:24
7.0 Buffer	wc240913b	7.00	1/22/25 8:21
10.0 Buffer	wc240625b	10.00	1/22/25 8:27
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1410	1/22/25 8:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.61	1/22/25 8:34
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	1/22/25 8:36	19.3	6.97	1,407	0.61		
CCV-1-JC	CCV	1/22/25 14:59	19.8	7.04	1,425	0.36		

Comments:

Field Meter ID: Pine 44954 Technician(s): justin colp Date: 1/23/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/23/25 8:19
7.0 Buffer	wc240913b	7.00	1/23/25 8:16
10.0 Buffer	wc240625b	10.00	1/23/25 8:25
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1413	1/23/25 8:32

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.6	1/23/25 8:32
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	1/23/25 8:34	19.8	7.01	1,413	0.64		
CCV-M-2-JC	CCV	1/23/25 11:59	19.7	7.03	1,422	0.77		
CCV-2-JC	CCV	1/23/25 14:38	19.6	7.06	1,441	0.7		

Comments:

Site Sampling Event: BAL- 25Q1
 LIMS Workorder: 25010181
 Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
 Baldwin- 1Q 2025

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2025
 BALDWIN POWER PLANT, BOTTOM ASH POND
 BAL-845-601

Field Temp SOP 1156 - SM 2550 B
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 44954 Technician(s): justin colp Date: 1/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	1/27/25 8:58
7.0 Buffer	wc240913b	7.00	1/27/25 8:55
10.0 Buffer	wc240625b	10.00	1/27/25 9:01
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	102040	1412	1/27/25 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.61	1/27/25 9:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	1/27/25 9:10	18.8	7.01	1,414	0.63		
CCV-3-JC	ccv	1/27/25 13:00	19	7.04	1,420	0.68		

Comments: _____

Site Sampling Event: BAL- 25Q1
LIMS Workorder: 25010181
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210769 Technician(s): Tracy Carroll Date: 1/22/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	1/22/25 12:19
7.0 Buffer	WC241913B	7.00	1/22/25 12:16
10.0 Buffer	WC240625B	10.02	1/22/25 12:22
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/22/25 12:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.39	1/22/25 12:28
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	1/22/25 12:30	19	7.06	1,413	1.45		
CCV-1-TC	CCV	1/22/25 15:12	18.9	7.08	1,428	1.88		

Comments:

Field Meter ID: Pine 210769 Technician(s): Tracy Carroll Date: 1/24/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/24/25 9:47
7.0 Buffer	WC241913B	7.00	1/24/25 9:44
10.0 Buffer	WC240625B	10.00	1/24/25 10:12
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/24/25 10:18

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.66	1/24/25 10:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	1/24/25 10:19	19.4	7.03	1,412	1.88		
CCV-2-TC	CCV	1/24/25 12:22	19.6	7.04	1,419	1.46		

Comments:

Site Sampling Event: BAL- 25Q1
 LIMS Workorder: 25010181
 Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 1Q 2025

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2025
 BALDWIN POWER PLANT, BOTTOM ASH POND
 BAL-845-601

Field Temp SOP 1156 - SM 2550 B
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 210769 Technician(s): Tracy Carroll Date: 1/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	1/27/25 9:22
7.0 Buffer	WC241913B	7.02	1/27/25 9:21
10.0 Buffer	WC240625B	10.00	1/27/25 9:26
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	1/27/25 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	1/27/25 9:30	20.1	7.07	1,410	1.12		
CCV-3-TC	CCV	1/27/25 12:35	20.1	7.04	1,408	1.66		

Comments: _____

Site Sampling Event: BAL- 25Q1
LIMS Workorder: 25010181
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Brett Gillihan Date: 1/22/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	1/22/25 12:46
7.0 Buffer	WC240913B	7.03	1/22/25 12:44
10.0 Buffer	WC240913C	10.02	1/22/25 12:50
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1421	1/22/25 12:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.1	1/22/25 12:57
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	1/22/25 12:59	18.7	7.03	1,421	1.13		
CCV-1-BG	CCV	1/22/25 15:04	19.3	7.02	1,421	1.22		

Comments:

Field Meter ID: Pine 46868 Technician(s): Brett Gillihan Date: 1/23/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.97	1/23/25 8:30
7.0 Buffer	WC240913A	6.99	1/23/25 8:28
10.0 Buffer	WC240913A	10.00	1/23/25 8:33
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1420	1/23/25 8:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.96	1/23/25 8:36
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	1/23/25 8:38	18.3	7.00	1,420	0.84		
CCV-2-BG	CCV	1/23/25 14:32	19.6	7.00	1,420	1.01		

Comments:

Site Sampling Event: BAL- 25Q1
LIMS Workorder: 25010181
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 46868 Technician(s): Brett Gillihan Date: 1/27/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	1/27/25 8:46
7.0 Buffer	WC240913A	7.00	1/27/25 8:41
10.0 Buffer	WC240913A	10.02	1/27/25 8:48
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	102040	1419	1/27/25 8:53

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.78	1/27/25 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. $^{\circ}$ C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-3-BG	LCS	1/27/25 8:58	17.9	7.00	1,419	1.68		
CCV-M-3-BG	CCV	1/27/25 11:12	18.1	7.01	1,422	1.23		
CCV-3-BG	CCV	1/27/25 14:34	18.5	7.01	1,426	1.44		

Comments: _____



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 44954
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:06:37PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 18L101938
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.00	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.20	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.91	10.04	0.40%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.51	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	107.87	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.592	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	245.30	240.00	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading Range				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 44954
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:06:37PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading Range				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00	%Volume	100.00	%Volume	92.70	99.60	-0.40%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date / Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:01:15PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot 19K103392
Number
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.20	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.99	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.50	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	97.41	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.048	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	234.90	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 46868
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:01:15PM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		Reading Acc % 3.0000	
Stated Accy Pct of Reading		Plus/Minus 0.00	
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>
100.00 / 100.00	%	100.00	%

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date /	
					Last Cal Date/ Opened Date	Expiration Date
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210769
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:04:11PM

Manufacturer YSI	State Certified
Model Number Pro DSS	Status Pass
Serial Number/ Lot Number 16B102807	Temp °C 22.2
Location St. Louis	Humidity % 43
Department	

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.75	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.90	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.54	10.04	0.40%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity (NTU)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	5.52	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	94.34	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.545	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	186.50	240.00	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210769
Description YSI Pro DSS Sonde
Calibrated 12/27/2024 7:04:11PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	85.50	99.60	-0.40%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date /	
					Last Cal Date /	Expiration Date
					Opened Date	
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 1, 2025**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-192	UU	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.00230
MW-192	UU	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	47	CI around geomean	0.00117	0.00578
MW-192	UU	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0885	0.261
MW-192	UU	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-192	UU	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	13	CI around mean	0.0277	2.23
MW-192	UU	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-192	UU	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	10.3	1,370
MW-192	UU	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	87	CI around median	0.0015	0.0125
MW-192	UU	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	53	CI around median	0.001	0.00220
MW-192	UU	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	13	CI around median	0.4	3.36
MW-192	UU	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.00220
MW-192	UU	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	7	CB around linear reg	-0.023	0.123
MW-192	UU	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.0002
MW-192	UU	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	20	CI around geomean	0.00179	0.0782
MW-192	UU	E008	pH (field)	SU	10/27/22 - 01/22/25	15	0	CI around mean	6.7/6.9	7.3/8.4
MW-192	UU	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.322	4.14
MW-192	UU	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.00320
MW-192	UU	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	-8.43	228
MW-192	UU	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.002	0.002
MW-192	UU	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CB around T-S line	54	3,260
MW-193	UU	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	93	Most recent sample	0.001	0.00230
MW-193	UU	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	33	CB around T-S line	-0.00198	0.00578
MW-193	UU	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around geomean	0.071	0.261
MW-193	UU	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-193	UU	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	7	CI around mean	0.0399	2.23
MW-193	UU	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-193	UU	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	28.4	1,370

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-193	UU	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.0125
MW-193	UU	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	93	Most recent sample	0.001	0.00220
MW-193	UU	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	13	CI around median	0.24	3.36
MW-193	UU	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.00220
MW-193	UU	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	13	CI around mean	0.00408	0.123
MW-193	UU	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.0002
MW-193	UU	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.0782
MW-193	UU	E008	pH (field)	SU	10/27/22 - 01/22/25	15	0	CI around mean	6.7/7.0	7.3/8.4
MW-193	UU	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.478	4.14
MW-193	UU	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.00320
MW-193	UU	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	152	228
MW-193	UU	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.002	0.002
MW-193	UU	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	551	3,260
MW-356	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	30	87	CI around median	0.001	0.00230
MW-356	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	33	85	CI around median	0.001	0.00578
MW-356	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	33	0	CI around median	0.0299	0.261
MW-356	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.001
MW-356	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	34	0	CI around median	1.94	2.23
MW-356	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.001
MW-356	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	27	1,370
MW-356	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	32	100	All ND - Last	0.0015	0.0125
MW-356	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	31	100	All ND - Last	0.001	0.00220
MW-356	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	1.98	3.36
MW-356	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	31	97	CI around median	0.001	0.00220
MW-356	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	33	0	CI around median	0.0523	0.123
MW-356	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.0002	0.0002
MW-356	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	33	61	CI around median	0.0015	0.0782

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-356	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	34	0	CI around median	7.7/7.8	7.3/8.4
MW-356	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	33	0	CI around median	0.146	4.14
MW-356	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	30	100	All ND - Last	0.001	0.00320
MW-356	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	41.1	228
MW-356	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.002	0.002
MW-356	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	33	0	CI around mean	660	3,260
MW-369	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	24	79	CI around median	0.001	0.00230
MW-369	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	27	11	CI around geomean	0.0015	0.00578
MW-369	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	27	0	CB around T-S line	0.0774	0.261
MW-369	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.001	0.001
MW-369	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	28	0	CB around linear reg	-0.228	2.23
MW-369	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.001	0.001
MW-369	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	28	0	CI around geomean	83.3	1,370
MW-369	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	26	88	CB around T-S line	0.0015	0.0125
MW-369	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	25	72	CI around median	0.001	0.00220
MW-369	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	28	0	CB around T-S line	-0.0803	3.36
MW-369	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	25	96	CI around median	0.001	0.00220
MW-369	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	27	4	CB around T-S line	0.0096	0.123
MW-369	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.0002	0.0002
MW-369	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	27	4	CB around T-S line	-0.00688	0.0782
MW-369	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	28	0	CI around median	7.1/8.4	7.3/8.4
MW-369	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	27	0	CI around mean	0.471	4.14
MW-369	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	24	71	CB around T-S line	-0.0054	0.00320
MW-369	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	28	0	CB around T-S line	-12.3	228
MW-369	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.002	0.002
MW-369	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	28	0	CI around median	732	3,260
MW-370	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	30	77	CB around T-S line	0.000294	0.00230

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MW-370	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	33	64	CB around T-S line	0.000157	0.00578
MW-370	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	33	0	CB around T-S line	0.0276	0.261
MW-370	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.001
MW-370	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	34	0	CI around median	1.79	2.23
MW-370	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.001	0.001
MW-370	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	1,410	1,370
MW-370	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	32	97	CB around T-S line	0.0015	0.0125
MW-370	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	31	97	CI around median	0.001	0.00220
MW-370	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	3.04	3.36
MW-370	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	31	100	All ND - Last	0.001	0.00220
MW-370	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	33	0	CI around geomean	0.132	0.123
MW-370	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.0002	0.0002
MW-370	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	33	3	CB around T-S line	0.00113	0.0782
MW-370	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	34	0	CB around T-S line	7.3/7.5	7.3/8.4
MW-370	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	33	0	CI around geomean	0.586	4.14
MW-370	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	30	97	Most recent sample	0.001	0.00320
MW-370	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	34	0	CI around mean	249	228
MW-370	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	28	100	All ND - Last	0.002	0.002
MW-370	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	34	0	CB around linear reg	3,000	3,260
MW-382	UA	E008	Antimony, total	mg/L	12/29/15 - 01/23/25	24	96	Most recent sample	0.001	0.00230
MW-382	UA	E008	Arsenic, total	mg/L	12/29/15 - 01/23/25	27	18	CI around median	0.0012	0.00578
MW-382	UA	E008	Barium, total	mg/L	12/29/15 - 01/23/25	27	0	CI around mean	0.0186	0.261
MW-382	UA	E008	Beryllium, total	mg/L	12/29/15 - 01/23/25	22	96	CI around median	0.001	0.001
MW-382	UA	E008	Boron, total	mg/L	12/29/15 - 01/23/25	28	0	CI around median	1.71	2.23
MW-382	UA	E008	Cadmium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.001	0.001
MW-382	UA	E008	Chloride, total	mg/L	12/29/15 - 01/23/25	28	0	CI around mean	33.8	1,370
MW-382	UA	E008	Chromium, total	mg/L	12/29/15 - 01/23/25	26	8	CB around linear reg	0.00865	0.0125

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MW-382	UA	E008	Cobalt, total	mg/L	12/29/15 - 01/23/25	25	56	CB around T-S line	0.001	0.00220
MW-382	UA	E008	Fluoride, total	mg/L	12/29/15 - 01/23/25	28	0	CI around mean	2.81	3.36
MW-382	UA	E008	Lead, total	mg/L	12/29/15 - 01/23/25	25	48	CB around linear reg	0.0024	0.00220
MW-382	UA	E008	Lithium, total	mg/L	12/29/15 - 01/23/25	27	0	CI around median	0.0575	0.123
MW-382	UA	E008	Mercury, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.0002	0.0002
MW-382	UA	E008	Molybdenum, total	mg/L	12/29/15 - 01/23/25	27	22	CI around geomean	0.00133	0.0782
MW-382	UA	E008	pH (field)	SU	12/29/15 - 01/23/25	28	0	CI around mean	7.7/7.8	7.3/8.4
MW-382	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 01/23/25	27	0	CB around T-S line	0.482	4.14
MW-382	UA	E008	Selenium, total	mg/L	12/29/15 - 01/23/25	24	100	All ND - Last	0.001	0.00320
MW-382	UA	E008	Sulfate, total	mg/L	12/29/15 - 01/23/25	28	0	CB around linear reg	352	228
MW-382	UA	E008	Thallium, total	mg/L	12/29/15 - 01/23/25	22	100	All ND - Last	0.002	0.002
MW-382	UA	E008	Total Dissolved Solids	mg/L	12/29/15 - 01/23/25	28	0	CI around median	1,120	3,260
MW-392	UA	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.00230
MW-392	UA	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	73	CI around median	0.001	0.00578
MW-392	UA	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.038	0.261
MW-392	UA	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-392	UA	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	1.74	2.23
MW-392	UA	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-392	UA	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CI around median	827	1,370
MW-392	UA	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	60	CI around median	0.0015	0.0125
MW-392	UA	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	93	CI around median	0.001	0.00220
MW-392	UA	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	3.77	3.36
MW-392	UA	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	93	CI around median	0.001	0.00220
MW-392	UA	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	0.0588	0.123
MW-392	UA	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.0002
MW-392	UA	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.0782
MW-392	UA	E008	pH (field)	SU	10/27/22 - 01/22/25	16	0	CI around median	7.6/7.7	7.3/8.4

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-392	UA	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.4	4.14
MW-392	UA	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.00320
MW-392	UA	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CI around median	48.9	228
MW-392	UA	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	16	100	All ND - Last	0.002	0.002
MW-392	UA	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	1,730	3,260
MW-393	UA	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	87	CI around median	0.001	0.00230
MW-393	UA	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.00578
MW-393	UA	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0275	0.261
MW-393	UA	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-393	UA	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	0	CI around median	1.61	2.23
MW-393	UA	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-393	UA	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	782	1,370
MW-393	UA	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.0015	0.0125
MW-393	UA	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	93	CI around median	0.001	0.00220
MW-393	UA	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	8.71	3.36
MW-393	UA	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.00220
MW-393	UA	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0626	0.123
MW-393	UA	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.0002
MW-393	UA	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	67	CB around T-S line	-0.00993	0.0782
MW-393	UA	E008	pH (field)	SU	10/27/22 - 01/22/25	16	0	CI around mean	8.0/8.3	7.3/8.4
MW-393	UA	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.212	4.14
MW-393	UA	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.00320
MW-393	UA	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	83.2	228
MW-393	UA	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	16	100	All ND - Last	0.002	0.002
MW-393	UA	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CB around T-S line	2,520	3,260
MW-394	UA	E008	Antimony, total	mg/L	10/27/22 - 01/22/25	15	73	CB around T-S line	-0.00182	0.00230
MW-394	UA	E008	Arsenic, total	mg/L	10/27/22 - 01/22/25	15	60	CI around median	0.001	0.00578

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MW-394	UA	E008	Barium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.0249	0.261
MW-394	UA	E008	Beryllium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-394	UA	E008	Boron, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	1.65	2.23
MW-394	UA	E008	Cadmium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.001	0.001
MW-394	UA	E008	Chloride, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	544	1,370
MW-394	UA	E008	Chromium, total	mg/L	10/27/22 - 01/22/25	15	73	CI around median	0.0015	0.0125
MW-394	UA	E008	Cobalt, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.00220
MW-394	UA	E008	Fluoride, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	3.62	3.36
MW-394	UA	E008	Lead, total	mg/L	10/27/22 - 01/22/25	15	80	CI around median	0.001	0.00220
MW-394	UA	E008	Lithium, total	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	0.056	0.123
MW-394	UA	E008	Mercury, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.0002	0.0002
MW-394	UA	E008	Molybdenum, total	mg/L	10/27/22 - 01/22/25	15	47	CB around linear reg	-0.00564	0.0782
MW-394	UA	E008	pH (field)	SU	10/27/22 - 01/22/25	15	0	CI around mean	7.8/8.0	7.3/8.4
MW-394	UA	E008	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 01/22/25	15	0	CI around mean	0.411	4.14
MW-394	UA	E008	Selenium, total	mg/L	10/27/22 - 01/22/25	15	93	Most recent sample	0.001	0.00320
MW-394	UA	E008	Sulfate, total	mg/L	10/27/22 - 01/22/25	15	0	CB around linear reg	12.2	228
MW-394	UA	E008	Thallium, total	mg/L	10/27/22 - 01/22/25	15	100	All ND - Last	0.002	0.002
MW-394	UA	E008	Total Dissolved Solids	mg/L	10/27/22 - 01/22/25	15	0	CI around mean	1,890	3,260
OW-256	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.00230
OW-256	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/27/25	9	33	CI around median	0.001	0.00578
OW-256	PMP	E008	Barium, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.0792	0.261
OW-256	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.001
OW-256	PMP	E008	Boron, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.175	2.23
OW-256	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.001
OW-256	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	51.5	1,370
OW-256	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/27/25	9	78	CI around median	0.0015	0.0125
OW-256	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/27/25	9	67	CI around median	0.001	0.00220

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OW-256	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/27/25	9	22	CB around linear reg	0.296	3.36
OW-256	PMP	E008	Lead, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.001	0.00220
OW-256	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/27/25	9	11	CI around mean	0.00515	0.123
OW-256	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.0015	0.0782
OW-256	PMP	E008	pH (field)	SU	03/14/23 - 01/27/25	9	0	CI around mean	6.7/6.9	7.3/8.4
OW-256	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/27/25	9	0	CB around linear reg	-0.0972	4.14
OW-256	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.00320
OW-256	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	64.3	228
OW-256	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.002	0.002
OW-256	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	487	3,260
OW-257	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/22/25	9	56	CI around median	0.001	0.00230
OW-257	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/22/25	9	11	CB around linear reg	-0.079	0.00578
OW-257	PMP	E008	Barium, total	mg/L	03/14/23 - 01/22/25	9	0	CB around linear reg	-0.589	0.261
OW-257	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/22/25	9	89	CI around median	0.001	0.001
OW-257	PMP	E008	Boron, total	mg/L	03/14/23 - 01/22/25	9	0	CI around mean	0.475	2.23
OW-257	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/22/25	9	89	CI around median	0.001	0.001
OW-257	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/22/25	9	0	CI around mean	6.89	1,370
OW-257	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/22/25	9	56	CI around median	0.0015	0.0125
OW-257	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/22/25	9	33	CI around median	0.001	0.00220
OW-257	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/22/25	9	22	CI around mean	0.386	3.36
OW-257	PMP	E008	Lead, total	mg/L	03/14/23 - 01/22/25	9	67	CI around median	0.001	0.00220
OW-257	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/22/25	9	0	CI around median	0.0299	0.123
OW-257	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/22/25	9	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/22/25	9	22	CI around median	0.0026	0.0782
OW-257	PMP	E008	pH (field)	SU	03/14/23 - 01/22/25	9	0	CI around mean	6.8/7.2	7.3/8.4
OW-257	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/22/25	9	0	CI around median	0.797	4.14

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/22/25	9	100	All ND - Last	0.001	0.00320
OW-257	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/22/25	9	0	CB around linear reg	80.2	228
OW-257	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/22/25	9	100	All ND - Last	0.002	0.002
OW-257	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/22/25	9	0	CI around median	682	3,260
PZ-170	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/22/25	8	75	CI around median	0.001	0.00230
PZ-170	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/22/25	8	38	CI around median	0.001	0.00578
PZ-170	PMP	E008	Barium, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	0.0716	0.261
PZ-170	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.001	0.001
PZ-170	PMP	E008	Boron, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	0.259	2.23
PZ-170	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.001	0.001
PZ-170	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/22/25	8	0	CI around median	35	1,370
PZ-170	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/22/25	8	62	CI around median	0.0015	0.0125
PZ-170	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/22/25	8	25	CB around linear reg	-0.00213	0.00220
PZ-170	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/22/25	8	25	CB around linear reg	0.205	3.36
PZ-170	PMP	E008	Lead, total	mg/L	03/14/23 - 01/22/25	8	88	CI around median	0.001	0.00220
PZ-170	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	0.0291	0.123
PZ-170	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E008	pH (field)	SU	03/14/23 - 01/22/25	9	0	CI around mean	6.5/6.6	7.3/8.4
PZ-170	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/22/25	9	0	CI around mean	0.168	4.14
PZ-170	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	155	228
PZ-170	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/22/25	8	100	All ND - Last	0.002	0.002
PZ-170	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/22/25	8	0	CI around mean	915	3,260
PZ-182	PMP	E008	Antimony, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E008	Arsenic, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.001	0.00578
PZ-182	PMP	E008	Barium, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.0575	0.261

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-182	PMP	E008	Beryllium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.001
PZ-182	PMP	E008	Boron, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.428	2.23
PZ-182	PMP	E008	Cadmium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.001
PZ-182	PMP	E008	Chloride, total	mg/L	03/14/23 - 01/27/25	9	0	CI around geomean	23	1,370
PZ-182	PMP	E008	Chromium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E008	Cobalt, total	mg/L	03/14/23 - 01/27/25	9	89	Most recent sample	0.001	0.00220
PZ-182	PMP	E008	Fluoride, total	mg/L	03/14/23 - 01/27/25	9	22	CI around median	0.16	3.36
PZ-182	PMP	E008	Lead, total	mg/L	03/14/23 - 01/27/25	9	89	CI around median	0.001	0.00220
PZ-182	PMP	E008	Lithium, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	0.0113	0.123
PZ-182	PMP	E008	Mercury, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E008	Molybdenum, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E008	pH (field)	SU	03/14/23 - 01/27/25	9	0	CI around mean	6.5/6.7	7.3/8.4
PZ-182	PMP	E008	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 01/27/25	9	0	CI around mean	0.267	4.14
PZ-182	PMP	E008	Selenium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E008	Sulfate, total	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	136	228
PZ-182	PMP	E008	Thallium, total	mg/L	03/14/23 - 01/27/25	9	100	All ND - Last	0.002	0.002
PZ-182	PMP	E008	Total Dissolved Solids	mg/L	03/14/23 - 01/27/25	9	0	CI around mean	643	3,260

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Dynegy Midwest Generation, LLC’s (DMG’s) operating permit application for the Bottom Ash Pond. The proposed groundwater monitoring program was revised on August 1, 2023. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination